Characterization of Maize Germplasm Grown in Eastern and Southern Africa

Results of the 2008 Regional Trials Coordinated by CIMMYT

CIMMYT

Characterization of Maize Germplasm Grown in Eastern and Southern Africa

Results of the 2008 Regional Trials Coordinated by CIMMYT

CIMMYT

The International Maize and Wheat Improvement Center (CIMMYT) is an internationally funded, non-profit scientific research and training organization. Headquartered in Mexico, the Center works with agricultural research institutions worldwide to improve the productivity and sustainability of maize and wheat systems for resource-poor farmers in developing countries. It is one of 16 similar centers supported by the Consultative Group on International Agricultural Research (CGIAR). The CGIAR comprises over 50 partner countries, international and regional organizations, and private foundations. It is co-sponsored by the Food and Agriculture Organization (FAO) of the United Nations, the International Bank for Reconstruction and Development (World Bank), the United Nations Development Programme (UNDP), and the United Nations Environment Programme (UNEP).

Contact Information

CIMMYT-Zimbabwe, P.O. Box MP163, Harare, Zimbabwe. Phone +263-4-301807 or 369120; FAX +263-4-301327.

Acknowledgement

These trials were supported by the collaborators listed in Section 4, the Swiss Agency for Development and Cooperation (SDC), the Bill & Melinda Gates Foundation, and Howard Buffett Foundation.

The help rendered by S. Chisoro in the preparation of this publication is acknowledged.

Correct Citation: Magorokosho C., Vivek B., and J. MacRobert. 2009. Characterization of maize germplasm grown in eastern and southern Africa: Results of the 2008 regional trials coordinated by CIMMYT. Harare, Zimbabwe. CIMMYT.

Accuracy of information: The information in this publication is based on results available at the time of publication. This does not exclude that the germplasm may perform differently if grown at other sites, or under different conditions.

Plant breeders' rights: Germplasm developed by CIMMYT is made freely available for any agricultural research or breeding purposes. Prior to the release, commercialization, or application for any form of IPR on CIMMYT germplasm or related information, written permission from CIMMYT must be obtained. Germplasm developed by institutions other than CIMMYT (private seed companies, National Agricultural Research Programs) are subject to restrictions imposed by those institutions on their germplasm. Evaluation of germplasm by CIMMYT does not imply endorsement or recommendation.

Contents

1. Introduction

Maize germplasm

The trials evaluated elite pre-release and released maize germplasm supplied by CIMMYT, National Agricultural Research Programs, and private seed companies from southern and eastern Africa. CIMMYT received the germplasm, grouped it according to vigor and maturity, and formed six replicated trials:

EPOP08: early, intermediate to late maturing open-pollinated varieties (OPVs)
ILPOP08: early, intermediate to late maturing open-pollinated varieties (OPVs)
EIHYB08: early to intermediate maturing hybrids
ILHYB08: intermediate to late maturing hybrids
IPT08: early, intermediate to late maturing inbred lines
SXPT08: early, intermediate to late maturing single cross hybrids

Each trial had an alpha (0,1) lattice design with three replicates.

Trial management

The trials were grown by CIMMYT, National Agricultural Research Programs, private seed companies and non-governmental organizations in eastern and southern Africa. Collaborators were encouraged to grow the trials under different types of conditions:

Well-fertilized/rain-fed conditions: trials were grown using optimal site-specific agronomic practices

Managed nitrogen stress: trials were grown in fields that had been depleted of nitrogen by growing unfertilized, non-leguminous crops for several seasons and removing the crop biomass after each season. Nitrogen fertilization to maize trials was designed so that yields under managed N-stress averaged 20-35% of the yield of a well-fertilized maize crop at that site.

Managed drought stress: trials were grown during a rain-free period, with irrigation applied at the beginning of the season to establish a good plant stand. Afterwards, irrigation was withheld so that the crop suffered drought stress during flowering and grain-filling, resulting in average yields of about 1-3 t/ha.

Managed low pH stress: trials were grown in fields with high aluminum saturation (desirably = 60%) and/or low amounts of plant-available phosphorus (desirably 3-4 ppm P; i.e. 20-25% of the recommended levels). The objective was to achieve maize yields that were 50-65% below the optimal maize yield at the same site.

Artificial inoculation/infestation of biotic stress factors: trials were grown under artificial inoculation/infestation of leaf diseases, stem borers, and maize grain weevils.

A complete list of the sites can be found in Section 3.

Data analysis

In each Table (except for IPT08 and SXPT08), entries are grouped by anthesis date and sorted according to the average rank for yield across all sites. Within each maturity group, best ranking entries are listed at the top.

For presenting grain yields, sites were grouped into some or all of the following nine environments:
Mid Altitude Humid Warm (Zone A), Mid Altitude Humid Hot (Zone B), Mid Altitude Dry (Zone C), Lowland Tropical Humid (Zone D), Lowland Tropical Dry (Zone E), Highlands (Zone F), Midaltitudes in eastern Africa, Managed N stress, Low pH stress. This grouping was done based on the location (for making the division among rainfed/well fertilized sites, (see Fig.1) and the management of the sites (rainfed/well fertilized, managed drought stress, managed N stress, low pH), maximum temperatures and seasonal precipitation. Please refer to Tables 1 and 2 for a detailed explanation of the characteristics of each zone.

Each trial for EPOP08, ILPOP08, EIHYB08 and ILHYB08 is presented with two Summary Tables and Individual site results. IPT08 and SXPT08 are presented with one Summary table and Individual site results.

Summary Tables

The Summary Tables present grain yields averaged across sites with significant differences between entries, for each of the environments. Data on agronomic performance such as anthesis date, plant and ear height, ear position, root and stem lodging, husk cover, ear rot, leaf diseases, grain weevil and stem borer damage, grain texture and grain moisture were averaged across all sites that provided results with significant differences between entries. If no data are presented for these traits, no trial data demonstrating significant differences for these traits was available.

For EPOP08, ILPOP08, EIHYB08 and ILHYB08, within each maturity group, grain yields, root and stem lodging, husk cover, ear rot, leaf diseases, weevil and borer damage traits were color-coded. Within a maturity group, colors that have no letter in common in the legend are different by at least one 'Least Significant Difference' (LSD, $P \leq 0.05$). LSDs were calculated from the mean square error that was pooled across sites. Note: colors can only be used to compare grain yields within a certain maturity group. For comparing grain yields between maturity groups, use the LSD listed at the bottom of the Table.

Color Legend		
Within a maturity group, colors that have no letter in common are different by at least one LSD. LSDs were calculated from the mean square error that was pooled across sites.	A	Very Good
	AB	Good
	BC	Average
	CD	Poor
	D	Very Poor

A description of all measurements can be found in Section 2.

Individual site results

These Tables present grain yields for individual sites, grouped by environment. A description of the sites can be found in Section 3.

Fig 1. Classification of locations based on SADC Maize Mega-Environments.

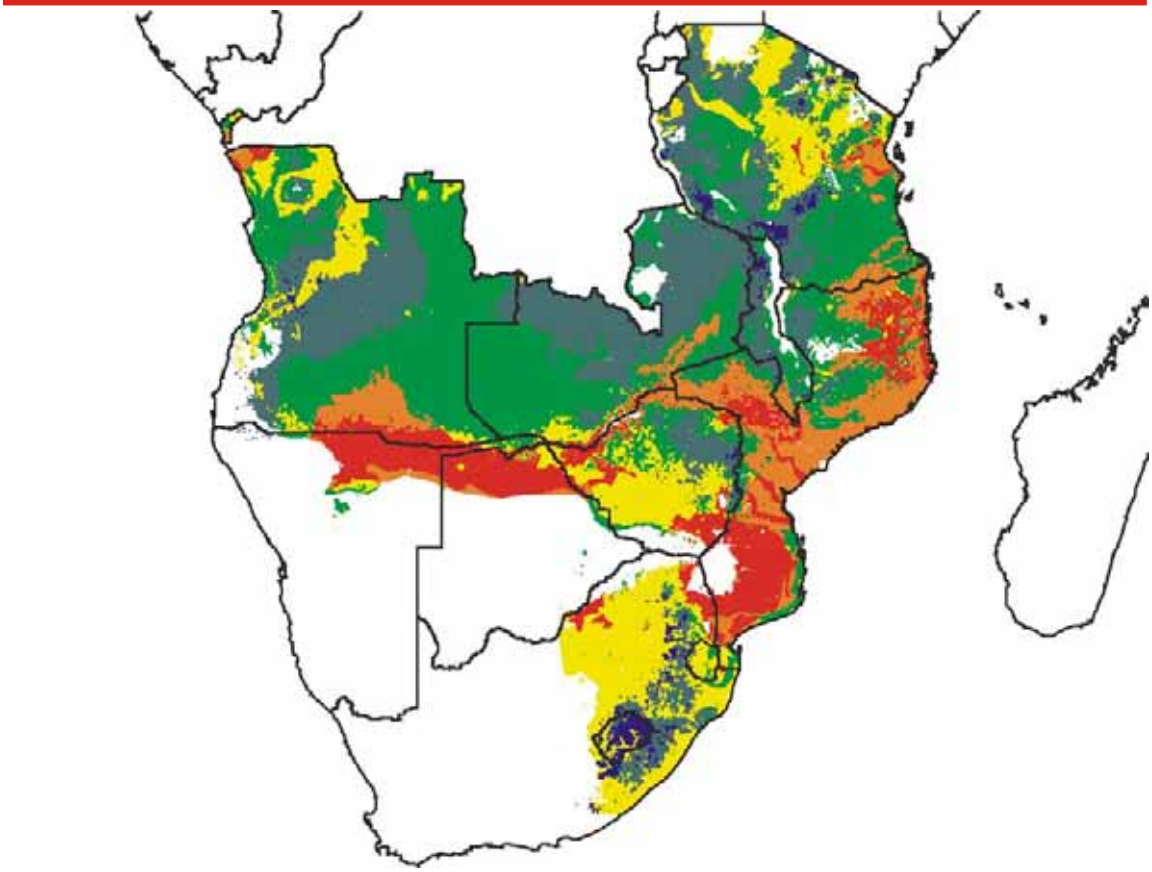


Table 1: Description of SADC Maize Mega-Environments.

Zone	Typical Environment[a]	Average Maximum Temperature	Risk of Drought	Season Precipitation	Area in SADC	
		°C		mm	ha	Percentage
A	Mid Altitude Humid Warm	24-27	Low	> 700	75,107,482	29.6%
B	Mid Altitude Humid Hot	27-30	Low	> 700	66,755,372	26.4%
C	Mid Altitude Dry	24-30	High	< 700	48,291,340	19.0%
D	Lowland Tropical Humid	>30	Low	> 700	17,145,789	6.8%
E	Lowland Tropical Dry	>30	High	< 700	38,403,454	15.1%
F	Highlands	<24			7,897,394	3.1%

[a] Typical representative environment for zones A to F. However, zones A to F are best described by considering the average maximum temperature, risk of drought and seasonal precipitation given in Table 1 and illustrated in Figure 1.

Table 2: Proportion of area in each SADC country for each mega-environment.

Zone	Proportion of area in each SADC country											
	SADC	Ang	Bot	Les	Mal	Moz	Nam	RSA	Swa	Tan	Zam	Zim
A	29%	30%	0%	11%	49%	7%	0%	19%	14%	32%	47%	17%
B	27%	48%	5%	0%	31%	25%	14%	3%	20%	36%	45%	22%
C	19%	12%	10%	22%	2%	2%	7%	64%	66%	21%	2%	39%
D	7%	6%	13%	0%	8%	39%	13%	1%	0%	5%	4%	8%
E	15%	3%	71%	0%	0%	26%	65%	5%	0%	1%	1%	12%
F	3%	1%	0%	67%	9%	1%	0%	8%	0%	4%	0%	1%

How can the results be used …

…. by National Agricultural Research Programs?

- Request seed of the very best stress-tolerant, responsive OPVs, hybrids and inbred lines from CIMMYT, other National Programs, and private seed companies, and further test them in the National Maize Evaluation Trials.
- Conduct National Maize Evaluation Trials not only under optimal conditions but also under the most important stresses present in farmers' fields. Consider performance under stress conditions and farmers' preferences when making decisions on release of germplasm.
- Request and use seed of best CIMMYT germplasm (inbred lines, OPVs) in your breeding program and for registration.

…. by Private Seed Companies?

- Foster the distribution of cultivars that are not only high yielding under optimal conditions but as well under the most important stresses present in farmers' fields.
- Continue to submit seed of your best germplasm for evaluation in Regional Trials (to CIMMYT) and/or National Maize Evaluation Trials (to National Agricultural Research Programs of individual countries).
- Request and use seed of best CIMMYT germplasm (inbred lines, OPVs) in your breeding program and for commercialization.

…. by Seed-Distributing Agencies?

- Use data from Regional Trials (available from CIMMYT-Zimbabwe) and National Maize Evaluation Trials (available from National Agricultural Research Programs of individual countries) for making decisions on which seed to distribute to farmers.
- Distribute quality seed of the very best stress-tolerant, responsive hybrids and OPVs that are currently available.

Conclusion: Foster the availability and distribution of quality seed of the very best maize cultivars - those that are not only high yielding under optimal conditions but as well under the stresses present in farmers' fields.

2. Descriptions of Traits Recorded

Rel. GY	Relative grain yield expressed as percentage of the mean grain yield of the trial. Values above 100% indicate above-average performance; values below 100% indicate below-average performance.
Rank Avg.	Average rank for grain yield across all trials. Small values indicate superior performance; large values indicate inferior performance.
Rank Stdev.	Standard deviation of rank for grain yield across all trials. Small values indicate stable performance; large values indicate variable performance.
Grain yield	Shelled grain weight per plot adjusted to 12.5% grain moisture and converted to tons per hectare.
Anthesis date	Measured as number of days after planting when 50% of the plants shed pollen.
Plant Height	Measured as height between the base of a plant to the insertion of the first tassel branch of the same plant.
Ear Height	Measured as height between the base of a plant to the insertion of the top ear of the same plant.
Ear position	A ratio of ear height to plant height. Small values indicate low ear position; large values indicate high ear position.
Root Lodging	Measured as percentage of plants that show root lodging, i.e. those stems that are inclining by more than 45°.
Stem Lodging	Measured as percentage of plants that show stem lodging, i.e. those stems that are broken below the ear.
Husk Cover	Measured as percentage of plants with ears that are not completely covered by the husks.
Ear Rot	Percentage of ears that are rotten.
GLS	Score for the severity of gray leaf spot (*Cercospora zeae-maydis*) symptoms rated on a scale from 1 (= clean, no infection) to 5 (= severely diseased).
P. sorghi	Score for the severity of common rust (*Puccinia sorghi*) symptoms rated on a scale from 1 (= clean, no infection) to 5 (= severely diseased).
E. turcicum	Score for the severity of northern leaf blight (*Exserohilum turcicum*) symptoms rated on a scale from 1 (= clean, no infection) to 5 (= severely diseased).
H. maydis	Score for the severity of maydis leaf blight (*Helminthosporium maydis*) symptoms rated on a scale from 1 (= clean, no infection) to 5 (= severely diseased).
DM	Score for the severity of Downy Mildew *(Pernosclerospora* sp.) symptoms rated on a scale from 1 (= clean, no infection) to 5 (= severely diseased).

PLS	Score for the severity of *Phaeosphaeria* leaf spot (*Phaeosphaeria maydis*) symptoms rated on a scale from 1 (= clean, no infection) to 5 (= severely diseased).
Borer damage	Score for the severity of stem borer *(Busseola* and *Chilo*) damage rated on a scale from 1 (= clean, no damage) to 5 (= severe damage).
***Busseola* larvae**	Count of the number of *Busseola* larvae. Higher the number indicates susceptibility.
Chilo	Score for the severity of *Chilo partellus* leaf damage rated on a scale from 1 (= no infestation) to 9 (= severely infested).
Leaf toughness	Force required to puncture leaves between veins as measured by the penetrometer. Genotypes with lower numbers tend to be susceptible to borers.
Grain weevil (Total F1)	Number of grain weevils hatching and emerging from an infested grain sample within a given period. Large values indicate susceptibility to grain weevils, small values indicate partial resistance to grain weevils.
Grain weevil (Wt loss)	Loss of weight of the grain samples caused by weevil feeding during a given period of incubation. Large values indicate susceptibility to weevils.
Grain texture	Rated on a scale from 1 (= flint) to 5 (=dent).
Grain moisture	Percent water content of grain as measured at harvest.
ASI	Anthesis-silking interval. Determined by (i) measuring the number of days after planting when 50% of the plants shed pollen (anthesis date, AD) and show silks (silking date, SD), respectively, and (ii) calculating: ASI = SD - AD. If measured under drought or N stress, small or negative values indicate stress tolerance.
EPP	Number of ears per plant. Counted as number of ears with at least one fully developed grain divided by the number of harvested plants. An EPP of below 1.0 indicates partial barreness, an EPP of above 1.0 indicates partial prolificacy. If taken under drought or N stress, values of greater or equal to 1.0 indicate stress tolerance.
Leaf rolling	Leaf rolling score measured under drought stress on a scale from 1 (unrolled, turgid leaves, desirable) to 5 (severely rolled leaves, undesirable).
Senescence	Leaf senescence score on a scale from 1 to 10. Taken during grain-filling by estimating the percentage of dead leaf area and dividing it by 10. If taken under drought or N stress, small scores indicate stress tolerance. 1 = 10% dead leaf area; 6 = 60% dead leaf area 2 = 20% dead leaf area; 7 = 70% dead leaf area 3 = 30% dead leaf area; 8 = 80% dead leaf area 4 = 40% dead leaf area; 9 = 90% dead leaf area 5 = 50% dead leaf area; 10 = 100% dead leaf area
QPM Modification	Score for the extent of modification (extent of opaqueness) of quality protein maize (QPM) kernels rated on a scale from 1 (fully modified/normal looking kernels) to 5 (unmodified/opaque kernels) as evaluated on a light table.

3. Sites and Local Checks

(Sorted by environment then by country then by location)

TrialName	Location	Country	Env	PlantingDate	PlotArea(	GY(t/ha)	LocalCheck1	Collaborator
ILHYB0873	Bako	Ethiopia	MAEA	29-May-08	8.1	7.5	BH-543	Bako Natioanal Maize Project
ILPOP0880	Bako	Ethiopia	MAEA	29-May-08	8.1	6.5	Cube	Bako Natioanal Maize Project
EIHYB0876	Melkasa	Ethiopia	MAEA	26-Jun-08	6.4	12.5	BH-540	B. Gezahegn
EPOP0883	Melkasa	Ethiopia	MAEA	26-Jun-08	6.4	11.0	Melkasa-4	B. Gezahegn
ILPOP0873	Pawe	Ethiopia	MAEA	9-Jun-08	11.9	4.0	Gibe-1	B. Nigus
EIHYB0881	Kakamega	Kenya	MAEA	6-Jun-08	6.4	0.0	LOCAL CHECK	D. Makumbi
EPOP0886	Kakamega	Kenya	MAEA	7-Jun-08	6.4	0.0		D. Makumbi
ILHYB0874	Kakamega	Kenya	MAEA	21-May-08	7.5	1.9		D. Makumbi
ILPOP0878	Kakamega	Kenya	MAEA	21-May-08	6.1	1.9		D. Makumbi
EIHYB0885	Rahad Res	Sudan	MAEA	31-Jul-08	8.4	3.3	PAN3062	S. K. Meseka
EPOP0885	Rahad Res	Sudan	MAEA	31-Jul-08	4.2	5.9	MUGTAMA-45	S. K. Meseka
EIHYB0837	Wad Medani	Sudan	MAEA	23-Jul-08	8.4	4.0	PAN3062	S. K. Meseka
EPOP0837	Wad Medani	Sudan	MAEA	23-Jul-08	4.2	6.6	MUGTAMA-45	S. K. Meseka
ILHYB0814	Bembeke	Malawi	A	12-Dec-07	8.0	3.4	PHB 30G97	K. Munthali
ILPOP0817	Bembeke	Malawi	A	12-Feb-07	8.0	2.9	ZM 623	K. Munthali
EIHYB0821	Bolero	Malawi	A	20-Dec-07	8.1	5.6	PAN67	
ILPOP0819	Bvumbwe	Malawi	A		6.4	8.4	ZM623	
EIHYB0819	Chitedze	Malawi	A	17-Dec-07	9.7	4.2	PAN67	M. Baluti, J. Banda
EPOP0824	Chitedze	Malawi	A	17-Dec-07	9.7	2.6	ZM521	M. Baluti, J. Banda
ILHYB0813	Chitedze	Malawi	A	17-Dec-07	9.7	6.8	PHB 30G97	G. Nhlane
ILPOP0816	Chitedze	Malawi	A	17-Dec-07	9.7	4.6	ZM623	G. Nhlane
ILHYB0817	Mbawa	Malawi	A	14-Dec-07	8.0	4.7	PHB 30G97	M. Muyombe
ILPOP0820	Mbawa	Malawi	A	15-Dec-07	8.0	4.2	ZM623	M. Muyombe
ILHYB0815	Zomba	Malawi	A	27-Dec-07	8.1	4.8	PHB 30997	
ILPOP0818	Zomba	Malawi	A	28-Dec-07	8.1	2.4	ZM623	M. Muyombe
EIHYB0814	Lichinga	Mozambique	A	23-Dec-07	8.4	4.7		V. Mussa
EIHYB0831	Greytown	South Africa	A		8.4	0.2	PAN 7M89	J. Cele
ILHYB0823	Greytown	South Africa	A		8.4	0.2	PAN 7M-89	J. Cele
EIHYB084	Golden Valley	Zambia	A	29-Dec-07	8.3	1.1		C. Mungoma, M. Kabamba
EIHYB086	Mount Makulu	Zambia	A	12-Dec-07	8.0	5.0	GV659	C. Mungoma, M. Kabamba
EPOP089	Mount Makulu	Zambia	A	12-Dec-07	8.0	4.2	ZM421	C. Mungoma, M. Kabamba
EIHYB0842	Mpongwe	Zambia	A	31-Dec-07	7.9	9.4	SC527Q	H. Masole
EPOP0845	Mpongwe	Zambia	A	31-Dec-07	7.9	8.0	SC527	M. Baluti, J. Banda
ILHYB0836	Mpongwe	Zambia	A	31-Dec-07	7.9	9.8	SC527	H. Masole
EIHYB0874	Zamseed Farm	Zambia	A	6-Dec-08	9.5	8.1		B. Verma
EPOP0881	Zamseed Farm	Zambia	A	6-Dec-07	9.5	6.0	POOL 16	B. Verma
ILHYB0866	Zamseed Farm	Zambia	A	6-Dec-07	9.5	9.0	ZMS652	B. Verma
ILPOP0835	Zamseed Farm	Zambia	A	31-Dec-07	8.3	7.7	SC527	B. Verma
ILPOP0871	Zamseed Farm	Zambia	A	6-Dec-07	8.3	8.0	ACCROS917	B. Verma
EIHYB0843	Africa University	Zimbabwe	A	5-Dec-07	4.1	9.5	SC525	A. Chiteka
EPOP0844	Africa University	Zimbabwe	A	5-Dec-07	4.1	7.8	SC525	A. Chiteka

TrialName	Location	Country	Env	PlantingDate	PlotArea(	GY(t/ha)	LocalCheck1	Collaborator
ILHYB0835	Africa University	Zimbabwe	A	5-Dec-07	4.1	7.6	SC525	A. Chiteka
ILPOP0834	Africa University	Zimbabwe	A	4-Dec-07	4.1	7.6	SC525	A. Chiteka
EIHYB0839	ART Farm Harare	Zimbabwe	A	24-Nov-07	6.8	8.8	ETZ012	L. Mutemeri
EPOP0836	ART Farm Harare	Zimbabwe	A	24-Nov-07	8.3	5.2	ZM521-FINT-#-#	L. Mutemeri
ILHYB0831	ART Farm Harare	Zimbabwe	A	24-Nov-07	7.9	7.5		L. Mutemeri
ILPOP0832	ART Farm Harare	Zimbabwe	A	24-Nov-07	6.8	7.5	ZM623	L. Mutemeri
EIHYB0846	Gwebi	Zimbabwe	A	11-Dec-07	6.4	4.4	ZS261	AREX-Zimbabwe
EPOP0847	Gwebi	Zimbabwe	A	11-Dec-07	6.4	3.7	ZM421	AREX-Zimbabwe
ILHYB0838	Gwebi	Zimbabwe	A	11-Dec-07	6.4	5.7	ZS108	AREX-Zimbabwe
EIHYB0817	Harare	Zimbabwe	A	15-Nov-07	6.4	7.0		CIMMYT
EIHYB0875	Harare	Zimbabwe	A	29-Nov-07	6.4	2.1		Agriseeds
EPOP0820	Harare	Zimbabwe	A	15-Nov-07	6.4	2.4	ZM521-FLINT-#-#	CIMMYT
EPOP0882	Harare	Zimbabwe	A	29-Nov-07	3.2	3.9		Agriseeds
ILHYB0812	Harare	Zimbabwe	A	15-Nov-07	6.4	7.9	CZH0710	CIMMYT
ILHYB0867	Harare	Zimbabwe	A	29-Nov-07	6.4	2.8	ZMS652	Agriseeds
ILPOP0815	Harare	Zimbabwe	A	25-Nov-07	6.4	3.2	ZM623-#	CIMMYT
ILPOP0872	Harare	Zimbabwe	A	29-Nov-07	6.4	1.7		Agriseeds
EIHYB0823	Chitala	Malawi	B	12-Dec-07	9.9	7.0	PAN67	Chikonda
EIHYB0816	Mapupulo	Mozambique	B	5-Jan-08	8.4	4.4		A. Fransisco
EPOP0819	Mapupulo	Mozambique	B	28-Dec-07	8.4	3.9		A. Fransisco
ILHYB0811	Mapupulo	Mozambique	B	5-Jan-08	5.8	6.0	Tsangano	F. Ali
ILPOP0814	Mapupulo	Mozambique	B	16-Jan-08	8.4	3.8	Tsangano	F. Ali
EIHYB0812	Sussundenga	Mozambique	B	10-Dec-07	8.4	6.6		E. Mulima, T. Manuel
ILHY087	Sussundenga	Mozambique	B	15-Dec-07	8.4	2.3	PAN53	E. Mulima
ILHYB088	Sussundenga	Mozambique	B	1-Dec-07	8.4	6.4	PAN6777	E. Mulima
ILPOP0811	Sussundenga	Mozambique	B	13-Dec-07	8.4	2.7	PAN53	E. Mulima
EIHYB0863	Weruweru	Tanzania	B	20-Mar-08	8.3	6.1		K. Kitenge
EPOP0868	Weruweru	Tanzania	B	20-Mar-08	8.3	4.0	SITUKA-M1	K. Kitenge
ILHYB0856	Weruweru	Tanzania	B	19-Mar-08	8.3	5.9		K. Kitenge
ILPOP0858	Weruweru	Tanzania	B	19-Mar-08	8.3	5.1		K. Kitenge
ILHYB085	Msekera	Zambia	B	8-Dec-07	9.9	1.3	ZM737	C. Mungoma, M. Kabamba
ILPOP088	Msekera	Zambia	B	10-Dec-07	9.9	1.2	ZM737	C. Mungoma, M. Kabamba
ILPOP0837	Gwebi	Zimbabwe	B	11-Dec-07	6.4	3.7	ZM521	AREX-Zimbabwe
EIHYB0852	Rattray-Arnold	Zimbabwe	B	21-Dec-07	4.8	0.9		Seedco
EPOP0853	Rattray-Arnold	Zimbabwe	B	21-Dec-07	4.8	1.0		Seedco
ILHYB0844	Rattray-Arnold	Zimbabwe	B	21-Dec-07	5.3	0.9	SC723	Seedco
ILPOP0844	Rattray-Arnold	Zimbabwe	B	21-Dec-07	4.8	1.0		Seedco
EIHYB0820	Baka	Malawi	C	24-Dec-07	8.1	6.4	PAN67	A. F. Thutu
EPOP0821	Baka	Malawi	C	29-Dec-07	8.1	6.2	ZM521	A. F. Thutu
EPOP0826	Bolero	Malawi	C	18-Dec-07	8.1	2.8	ZM521	M. Baluti, J. Banda
EIHYB0822	Bwanje	Malawi	C	18-Dec-07	9.5	2.8	PAN67	
EPOP0813	Chokwe	Mozambique	C	8-Jan-08	8.4	0.4	Changalane OPV	
EIHYB0813	Nampula	Mozambique	C	2-Jan-08	8.4	5.4		T. Fagema
EPOP0816	Nampula	Mozambique	C	28-Dec-07	8.4	3.5	Matuba	T. Fagema

TrialName	Location	Country	Env	PlantingDate	PlotArea(	GY(t/ha)	LocalCheck1	Collaborator
ILHYB0810	Nampula	Mozambique	C	2-Jan-08	8.4	5.5	Matuba	T. Fagema, E. Taxi
ILPOP0813	Nampula	Mozambique	C	28-Dec-07	8.4	3.5	Tsangano	T. Fagema, E. Taxi
EIHYB0815	Ntengo-nmodzi	Mozambique	C	28-Dec-07	8.4	1.5		
EPOP0818	Ntugo-nmodzi	Mozambique	C	28-Dec-07	8.4	1.4		Pio
EIHYB0810	Umbeluzi	Mozambique	C	28-Jan-08	8.4	2.4		C. Senete
EPOP0812	Umbeluzi	Mozambique	C	23-Jan-08	8.4	3.6	Changalane OPV	C. Senete
ILHYB086	Umbeluzi	Mozambique	C	13-Dec-07	8.4	2.8	LP23/LP19//LP21	C. Senete
ILPOP089	Umbeluzi	Mozambique	C	13-Dec-07	8.4	1.7		C. Senete
EPOP0880	Potchefstroom	South Africa	C	11-Dec-07	6.4	2.7	SAN611	K. Mashingaidze
ILPOP0868	Potchefstroom	South Africa	C	3-Dec-07	7.7	4.7	SAM1109	K. Mashingaidze
EIHYB081	Les	Swaziland	C	28-Nov-07	7.7	1.8	PAN 4M-19	H. Hlope, V. Simelane
EPOP084	Malkerns	Swaziland	C	16-Nov-07	7.7	5.8	SC 633	V. Simelane, B. Hanson
ILHYB081	Malkerns	Swaziland	C	20-Nov-07	7.7	6.1	SC633	V. Simelane
ILPOP084	Malkerns	Swaziland	C	20-Nov-07	7.7	4.9	SC633	V. Simalane, H. Hlpoe
EIHYB0861	Afsf-Arusha	Tanzania	C	26-Mar-08	8.3	2.2		
EIHYB0866	Afsf-Arusha	Tanzania	C	28-Apr-08	7.9	4.3	SC627	
EPOP0861	Afsf-Arusha	Tanzania	C	28-Apr-08	8.3	2.6	Situka-M1	
EPOP0865	Afsf-Arusha	Tanzania	C	25-Mar-08	7.9	2.4	Situka-m1	
ILHYB0853	Afsf-Arusha	Tanzania	C	26-May-08	8.3	4.4		
ILHYB0855	Afsf-Arusha	Tanzania	C	23-Apr-08	8.3	3.9		
ILPOP0851	Afsf-Arusha	Tanzania	C	25-Mar-08	7.9	2.0		
ILPOP0857	Afsf-Arusha	Tanzania	C	24-Apr-08	8.3	2.8		
EPOP0863	Sari	Tanzania	C	28-Mar-08	4.1	5.7		
EIHYB0862	Selian	Tanzania	C	28-Mar-08	8.3	3.1		K. Kitenge
ILHYB0858	Selian	Tanzania	C	28-Mar-08	8.3	3.3		
ILPOP0856	Selian	Tanzania	C	28-Mar-08	8.3	2.6		K. Kitenge
EIHYB0844	Kadoma	Zimbabwe	C	6-Dec-07	6.4	6.0	ETZ012	CIMMYT
EIHYB0850	Kadoma	Zimbabwe	C	20-Dec-07	6.8	4.6		CIMMYT
EPOP0843	Kadoma	Zimbabwe	C	6-Dec-07	8.3	3.9	ZM521-FINT-#-#	CIMMYT
EPOP0851	Kadoma	Zimbabwe	C	20-Dec-07	6.8	4.0		CIMMYT
ILHYB0829	Kadoma	Zimbabwe	C	6-Dec-07	6.4	6.7	CZH0710	CIMMYT
ILHYB0842	Kadoma	Zimbabwe	C	22-Dec-07	6.8	4.5		Agriseeds
ILPOP0827	Kadoma	Zimbabwe	C	6-Dec-07	6.4	5.3		CIMMYT
ILPOP0841	Kadoma	Zimbabwe	C	19-Dec-07	6.8	2.1		AREX-Zimbabwe
EIHYB0848	Makaholi	Zimbabwe	C	19-Dec-07	7.7	0.1	ZS261	AREX-Zimbabwe
EPOP0849	Makaholi	Zimbabwe	C	20-Dec-07	7.7	0.0	ZM421	AREX-Zimbabwe
ILHYB0840	Makaholi	Zimbabwe	C	20-Dec-07	7.7	0.1		AREX-Zimbabwe
ILPOP0839	Makaholi	Zimbabwe	C	19-Dec-07	7.7	0.1		AREX-Zimbabwe
ILHYB0841	Matopos	Zimbabwe	C	9-Jan-08	7.0	0.7		Agriseeds
EIHYB0865	Ilonga	Tanzania	D	27-Mar-07	8.0	1.2	SC403	J. Assenga
EPOP0860	Ilonga	Tanzania	D	27-Mar-08	8.0	2.6		J. Assenga
ILHYB0852	Ilonga	Tanzania	D	27-Mar-08	8.0	0.8	SC403	J. Assenga
ILPOP0850	Ilonga	Tanzania	D	27-Mar-08	6.5	0.8	TMV-1	J. Assenga
EIHYB0830	Francistown	Botswana	E	30-Dec-07	8.3	1.2	kep	S. M. Chite

TrialName	Location	Country	Env	PlantingDate	PlotArea(	GY(t/ha)	LocalCheck1	Collaborator
EPOP0830	Francistown	Botswana	E	31-Dec-07	8.3	1.3	kep	S. M. Chite
ILHYB0819	Francistown	Botswana	E	7-Jan-08	8.3	1.5	KEP	S. M. Chite
ILHYB0820	Francistown	Botswana	E		8.3	2.2	KEP	S. M. Chite
EIHYB0827	Goodhope	Botswana	E	10-Dec-07	6.4	3.2	KEP	S. M. Chite
EPOP0831	Goodhope	Botswana	E	9-Dec-07	3.9	1.8		S. M. Chite
ILPOP0824	Goodhope	Botswana	E	6-Dec-07	8.3	2.6	KEP	S. M. Chite
EIHYB0828	Pandamatenga	Botswana	E	13-Mar-08	7.9	1.4		S. M. Chite
EPOP0828	Pandamatenga	Botswana	E	12-Dec-07	7.9	7.2		S. M. Chite
EIHYB0829	Sebele	Botswana	E	18-Dec-07	8.3	1.9	KEP	S. M. Chite
ILHYB0822	Sebele	Botswana	E	19-Dec-07	8.3	1.9	KEP	S. M. Chite
ILPOP0823	Sebele	Botswana	E	19-Dec-07	8.3	0.8	KEP	S. M. Chite
ILPOP0870	Mokonyane	South Africa	E	13-Dec-07	7.7	0.9	V BLENDI	K. Mashingaidze
EPOP0839	Chiredzi	Zimbabwe	E	21-May-08	6.4	0.9		CIMMYT
EIHYB0849	Matopos	Zimbabwe	E	15-Jan-08	7.7	1.4	ZS261	Agriseeds
EPOP0884	Save Valley	Zimbabwe	E	23-Jul-08	3.9	0.7	ZM421	AREX-Zimbabwe
EPOP081	Siloe	Lesotho	F	28-Nov-07	10.5	1.0	PAN 6479	S. Bereng
EPOP082	Tsali-Tlama	Lesotho	F	5-Dec-07	10.5	1.4	PAN 6479	S. Bereng
ILPOP083	Tsali-Tlama	Lesotho	F	12-Dec-07	10.5	0.9	PAN 6479	S. Bereng
ILPOP0853	Afsf-Arusha	Tanzania	Drought	24-May-08	8.3	3.2		
EIHYB085	Nanga	Zambia	Drought	4-Jul-08	8.0	2.1		C. Mungoma, K. Mwansa
ILHYB084	Nanga	Zambia	Drought	4-Jul-08	8.0	1.8		C. Mungoma, K. Mwansa
EIHYB0840	Chiredzi	Zimbabwe	Drought	21-May-08	6.4	1.4		CIMMYT
ILHYB0833	Chiredzi	Zimbabwe	Drought	8-May-08	6.4	1.4		CIMMYT
ILPOP0829	Chiredzi	Zimbabwe	Drought	8-May-08	6.4	1.1		CIMMYT
EPOP0850	Matopos	Zimbabwe	Drought	15-Jan-08	7.0	1.4		AREX-Zimbabwe
EIHYB0877	Save Valley	Zimbabwe	Drought	23-Jul-08	6.4	0.3	ZS261	AREX-Zimbabwe
ILHYB0869	Save Valley	Zimbabwe	Drought	23-Jul-08	6.4	0.7	ZS108	AREX-Zimbabwe
ILPOP0874	Save Valley	Zimbabwe	Drought	23-Jul-08	6.8	0.2	ZM521	AREX-Zimbabwe
EIHYB0818	Chitedze	Malawi	Low N	31-Dec-07	9.7	1.8	PAN67	M. Baluti , J. Banda
EPOP0823	Chitedze	Malawi	Low N	31-Dec-07	9.7	2.0	ZM521	M. Baluti, J. Banda
EIHYB088	Chokwe	Mozambique	Low N	8-Jan-08	8.4	0.6		
EIHYB089	Chokwe	Mozambique	Low N	8-Jan-08	8.4	0.7		
EPOP0811	Chokwe	Mozambique	Low N	8-Jan-08	8.4	0.2		E. Nhamucho
ILHYB089	Sussundenga	Mozambique	Low N	15-Dec-07	8.4	1.8	Matuba	E. Mulima
EPOP087	Golden Valley	Zambia	Low N	29-Dec-07	8.3	0.8	ZM421	C. Mungoma, K. Mwansa
ILPOP086	Golden Valley	Zambia	Low N	29-Dec-07	8.3	0.5	POP 10	C. Mungoma, K. Mwansa
ILPOP087	Nanga	Zambia	Low N	4-Jul-08	8.0	1.1	SC723	C. Mungoma, K. Mwansa
EIHYB0838	Harare	Zimbabwe	Low N	28-Dec-07	6.4	1.3		CIMMYT
EIHYB0845	Harare	Zimbabwe	Low N	12//2007	6.4	0.3	ZS261	AREX-Zimbabwe
EPOP0838	Harare	Zimbabwe	Low N	28-Nov-07	6.4	1.2	ZM521-FLINT-#-#	CIMMYT
ILHYB0827	Harare	Zimbabwe	Low N	28-Nov-07	6.4	1.4	CZH0710	CIMMYT
ILHYB0837	Harare	Zimbabwe	Low N		6.4	0.3	ZS108	AREX-Zimbabwe
ILPOP0828	Harare	Zimbabwe	Low N	28-Dec-07	6.4	1.0		CIMMYT
ILPOP0836	Harare	Zimbabwe	Low N		6.4	1.0	ZM521	AREX-Zimbabwe

TrialName	Location	Country	Env	PlantingDate	PlotArea(	GY(t/ha)	LocalCheck1	Collaborator
EIHYB0853	Rattray-Arnold	Zimbabwe	Low N	3-Jan-08	4.8	1.0		SeedCo
EPOP0854	Rattray-Arnold	Zimbabwe	Low N	3-Jan-08	4.8	0.9		SeedCo
ILHYB0845	Rattray-Arnold	Zimbabwe	Low N	3-Jan-08	4.8	1.2		SeedCo
ILPOP0843	Rattray-Arnold	Zimbabwe	Low N	21-Dec-07	6.8	0.6	ZM623	SeedCo
ILHYB082	Kasama	Zambia	Low pH	17-Dec-07	7.9	3.0	POP10	C. Mungoma, K. Mwansa
ILPOP085	Kasama	Zambia	Low pH	17-Dec-07	8.3	1.2	POP10	C. Mungoma, K. Mwansa
EIHYB083	Kasama	Zambia	Low pH	14-Dec-07	8.3	2.6	GV659	C. Mungoma, K. Mwansa
EPOP086	Kasama	Zambia	Low pH	15-Dec-07	8.3	2.8	ZM421	C. Mungoma, K. Mwansa
EIHYB0836	Harare	Zimbabwe	MSV	28-Nov-07	6.4	8.3		CIMMYT
EPOP0841	Harare	Zimbabwe	MSV	28-Nov-07	6.4	5.8	ZM521-FLINT-#-#	CIMMYT
ILHYB0828	Harare	Zimbabwe	MSV	28-Nov-07	6.4	8.9	CZH0710	CIMMYT
ILPOP0826	Harare	Zimbabwe	MSV	15-Nov-07	6.4	6.1	ZM623-#	CIMMYT
EIHYB0856	Kaniameshi	Democratic Republic of Congo	CA	29-Nov-07	7.9	2.7		G. Mpoyo, D. Muloy
EPOP0856	Kaniameshi	Democratic Republic of Congo	CA	30-Nov-07	7.9	1.7		G. Mpoyo, D. Muloy
EIHYB0857	Kasinga	Democratic Republic of Congo	CA	25-Dec-07	7.9	2.8		G. Mpoyo, D. Muloy
ILHYB0848	Kasinga	Democratic Republic of Congo	CA	25-Dec-07	7.9	3.2		G. Mpoyo, D. Muloy
ILPOP0847	Kasinga	Democratic Republic of Congo	CA	25-Dec-07	7.9	2.6		G. Mpoyo, D. Muloy
ILHYB0850	Kiniameshi	Democratic Republic of Congo	CA	29-Nov-07	7.9	2.2		G. Mpoyo, D. Muloy
ILPOP0846	Kiniameshi	Democratic Republic of Congo	CA	29-Nov-07	7.9	2.9		G. Mpoyo, D. Muloy
EIHYB0858	Kipopo	Democratic Republic of Congo	CA	7-Dec-07	7.9	0.2		G. Mpoyo, D. Muloy
EPOP0858	Kipopo	Democratic Republic of Congo	CA	7-Dec-07	7.9	4.4		G. Mpoyo, D. Muloy
ILHYB0849	Kipopo	Democratic Republic of Congo	CA	7-Dec-07	7.9	6.7		G. Mpoyo, D. Muloy
ILPOP0848	Kipopo	Democratic Republic of Congo	CA	7-Dec-07	7.9	5.7		G. Mpoyo, D. Muloy
EPOP0857	Kisanga	Democratic Republic of Congo	CA	25-Dec-07	7.9	1.8		G. Mpoyo, D. Muloy
ILPOP0825	Francistown	Botswana		31-Dec-07	8.3	1.1		S. M. Chite
ILHYB0816		Malawi		29-Nov-07	9.5	5.2	PHB30G97	
EIHYB0811	Inhaloongo	Mozambique		26-Dec-07	8.4	2.2		D. F. Makie
EPOP0815		Mozambique		1-Dec-07	6.4	8.2	PAN6777	
ILPOP0810		Mozambique		1-Dec-07	8.4	6.6	PAN 6777	
EPOP0877		South Africa			6.4	5.3		
EIHYB0864	Karatu	Tanzania		16-Mar-08	7.9	3.2		
ILPOP0852	Karatu	Tanzania		16-Mar-08	8.3	2.0		
EPOP0846		Zimbabwe			7.9	0.6		

4. Collaborators

Country	Institute	Collaborator	Address	Email	Telephone	Fax
Botswana	Department of Agricultural Research	S. M. Chite	Private Bag 0033, Gaborone	dar@gov.bw	267 3668100	267 328965
DRC	University of Lumbumbashi	D. Muloy	University of Lumbumbashi	mwamba.ilunga@unilu.ac.cd		
DRC	University of Lumbumbashi	G. Mpoyo	University of Lumbumbashi	mwamba.ilunga@unilu.ac.cd		
Ethiopia	EARO, Bako Agricultural Res.Centre	M. Worku	P.O. Box 3, Bako	mosisaw@yahoo.com	251 6 205309/202035	251 1 611 222
Ethiopia	EARO, Melkassa Res. Center	B. Gezahegn	P.O. Box 436, Nazeret	gezahegngb2002@yahoo.com	251 911362250	251 221114623
Eriteria	National Agriculture Research Institute	B. Nigus	P.O. Box 4627, Asmara	negusseabraha@yahoo.com	291-1-159801	291-1-127508
Kenya	CIMMYT-Kenya	A. Diallo	P.O. Box 25171, Nairobi	a.diallo@cgiar.org	254 20 7224600	254 20 7224601/7224001
Kenya	CIMMYT-Kenya	D. Makumbi	P.O. Box 25171, Nairobi	d.makumbi@cgiar.org	255 20 7224600	255 20 7224601/7224001
Lesotho	Agriculture Research Division	L. Bereng	Maseru 100	simon_bereng@yahoo.com	266-22- 326042/312395	266-22-310362
Malawi	Ministry of Agriculture, Chitedze Res. Station	M. Baluti	P. O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	Chikonda	P.O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	A F. Thutu	P.O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	J. Banda	P. O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	F. Maideni	P.O. Box 5748, Limbe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	M. Muyombe	P. O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	K. Kaonga	P.O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	G. Nhlane	P.O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Malawi	Ministry of Agriculture, Chitedze Res. Station	K. Munthali	P.O. Box 158, Lilongwe	maizeagronomy@malawi.net	265 1 707222	265 1 707019
Mozambique	IIAM, Sussundenga Res. Station	D. Mariote	Caixa Postal 42, Chimoio	mariotedavid@hotmail.com	258 82 1327270	
Mozambique	IIAM, Umbeluzi Res. Station	P. Fato	Caixa Postal 3658, Maputo	fatopedro@hotmail.com	258 82 8372970	
Mozambique	IIAM, Sussundenga Res. Station	P. Chauque	Caixa Postal 3658, Maputo	pchauque@hotmail.co.uk	258 82 7605409	
Mozambique	IIAM, Sussundenga Res. Station	E. Mulima	Caixa Postal 42, Chimoio	edmulima@hotmail.com	258 82 7170900	
Mozambique	IIAM, Chokwe Res. Station	E. Nhamucho	Caixa Postal 26, Chokwe	egasnhamuchomz@yahoo.com	258 82 9640710	
Mozambique	IIAM, Umbeluzi Res. Station	W. Torohate	Caixa Postal 3658, Maputo	wicliftorohate1@yahoo.com.br	258 82 824896540	
Mozambique	IIAM, Umbeluzi Res. Station	C. Senete	Caixa Postal 3658, Maputo	senetec2003@yahoo.com.br	258 82 828177930	
Mozambique	IIAM, Nampula Res. Station	T. Fagema	Nampula	josefagema@yahoo.com.br	258 82 5401618	
Mozambique	IIAM, Sussundenga Res. Station	T. Manuel	Caixa Postal 42, Chimoio	manueltemo@yahoo.com.br	258 82 5179965	
Mozambique	IIAM, Sussundenga Res. Station	C. Albino	Caixa Postal 42, Chimoio	cupenha@yahoo.co.uk	258 82 5784994	
Mozambique	IIAM, Umbeluzi Res. Station	T. Pachisso	Caixa Postal 3658, Maputo		258 82 8208455	
Mozambique	IIAM, Chokwe Res. Station	F. Antonio	Caixa Postal 26, Chokwe		258 82 4123068	
Mozambique	IIAM, Angonia Agronomic Post	Pio	Angonia		258 82 6288999	
Mozambique	IIAM, Nampula Agronomic Post	E. Taxi	Nampula		258 82 4306984	
South Africa	PANNAR Pty. Ltd., Res. Department	J. Cele	P.O. Box 19, Greytown	research@pannar.co.za	27-3341-39624	27-3341-71208
South Africa	PANNAR Pty. Ltd., Res. Department	M. Barrow	P.O. Box 19, Greytown	research@pannar.co.za	27-3341-39624	27-3341-71208
South Africa	ARC-Grain Crops Research Institute	K. Mashingaidze	P. Bag X1251, Potchefstroom 2520	MashingaidzeK@arc.agric.za	27 18 299 6356/6100	27 18 294 7146
Sudan	ARC-Wad Medani	S. K. Meseka	Wad Medani	kayidriyewa@yahoo.com		
Swaziland	Ministry of Agriculture, Malkerns Res. Station	H. Hlope	P.O. Box 4, Malkerns	hanson042002@yahoo.co.uk	268 40 42731/5	268 50 53104
Swaziland	Ministry of Agriculture, Malkerns Res. Station	V. Simelane	P.O. Box 4, Malkerns	vbsimelane@yahoo.co.uk	268 40 42731/4	268 50 53103
Tanzania	Agricultural Res. Institute Katrin	A. Liampawe	Private Bag Katrin, Morogoro			
Tanzania	Agricultural Res. Institute-Ilonga	J. Assenga	P.O. Box Ilonga, Kilosa			
Tanzania	Selian Agricultural Res. Institute	K. Kitenge	P.O. Box 6024, Arusha	sari@yako.habari.co.tz	255 27 2503883	255 27 2508242/8557
Tanzania	Selian Agricultural Res. Institute	P. Matowo	P.O. Box 6024, Arusha	sari@yako.habari.co.tz	255 27 2503883	255 27 2508242/8557
Tanzania	Ministry of Agricultural Research and Training	T. L. Bucheyeki	Tumbi-Tabora			
Zambia	Ministry of Agriculture, Golden Valley Res. Centre	C. Mungoma	P.O. Box 54, Fringilla	maize@zamnet.zm	260 1 213829/278130	260 1 233 832
Zambia	Ministry of Agriculture, Golden Valley Res. Centre	K. Mwansa	P.O. Box 35441, Lusaka	maize@zamnet.zm	260 1 213829/278131	260 1 233 833
Zambia	Seedco, Zambia	H. Masole	P.O.Box 32379, Lusaka	nalishebonawa@yahoo.com	260 1 295655	260 1 250587
Zambia	Zamseed, Zambia	B. Verma	P.O. Box 35441, Lusaka	sorvema@zamnet.zm	260 1 243762/241283	260 1 248028
Zimbabwe	Agricultural Res. and Extension	C. Mutimamba	P.O. Box CY550, Harare	cmtimamba@yahoo.com	263 4 704 531	263 4 728317
Zimbabwe	Agricultural Res. and Extension	C. Zvarova	P.O. Box CY550, Harare	cmtimamba@yahoo.com	263 4 704 531	263 4 728317
Zimbabwe	Agricultural Res. and Extension	S. Dhliwayo	P.O. Box CY550, Harare	cmtimamba@yahoo.com	263 4 704 531	263 4 728317
Zimbabwe	Agricultural Res. and Extension	Dube	P.O. Box CY550, Harare	cmtimamba@yahoo.com	263 4 704 532	263 4 728318

Country	Institute	Collaborator	Address	Email	Telephone	Fax
Zimbabwe	Agriseeds	D. Muunagni	Agricultural Seeds and Services (Pvt)	dean@agriseed.co.zw	263 4 700655	263 4 701833
Zimbabwe	Agriseeds	R. Kelly	Agricultural Seeds and Services (Pvt)	rob@agriseed.co.zw	263 4 700655	263 4 701833
Zimbabwe	Africa University	A. Chiteka	P. O. Box 1320, Mutare	chitekaa@africau.ac.zw	263 20 60075	263-20-61785
Zimbabwe	ART Farm	L. Mutemeri	P.O. Box MP84, Harare	artfarm@africaonline.co.zw	860412/091220082	
Zimbabwe	CIMMYT-Zimbabwe	B. Vivek	P.O. Box MP163, Harare	b.vivek@cgiar.org	263 4 301807	263 4 301327
Zimbabwe	CIMMYT-Zimbabwe	C. Magorokosho	P.O. Box MP163, Harare	c.magorokosho@cgiar.org	263 4 301807	263 4 301327
Zimbabwe	CIMMYT-Zimbabwe	J. MacRobert	P.O. Box MP163, Harare	j.macrobert@cgiar.org	263 4 301807	263 4 301327
Zimbabwe	CIMMYT-Zimbabwe	M. Masukume	P.O. Box MP163, Harare	m.masukume@cgiar.org	263 4 301807	263 4 301327
Zimbabwe	CIMMYT-Zimbabwe	N. Damu	P.O. Box MP163, Harare	n.damu@cgiar.org	263 4 301807	263 4 301327
Zimbabwe	CIMMYT-Zimbabwe	S. Chisoro	P.O. Box MP163, Harare	s.chisoro@cgiar.org	263 4 301807	263 4 301327
Zimbabwe	CIMMYT-Zimbabwe	S. Mawere	P.O. Box MP163, Harare	s.mawere@cgiar.org	263 4 301807	263 4 301327
Zimbabwe	PANNAR Pty. Ltd.	P. Guveya	P.O. Box 99, Ruwa	research@pannar.co.zw	263 73 2598	
Zimbabwe	PIONEER Overseas Corporation	G. Mutseyekwa	P Bag BW6237, Harare	Gilbert.Mutseyekwa@pioneer.com	263 4 860 478/860411	263 4 860411/860478
Zimbabwe	Seedco, Zimbabwe	E. Tembo	P.O. Box WGT64, Harare	elliotte@seedcogroup.com	263 4 308 891/8	263 4 304 841
Zimbabwe	Seedco, Zimbabwe	M. Caulfield	P.O. Box WGT64, Harare	mikeca@seedcogroup.com	263 4 308 891/8	263 4 304 841
Zimbabwe	Seedco, Zimbabwe	P. Rupende	P.O. Box WGT64, Harare	paulru@seedcogroup.com	263 4 308 891/8	263 4 304 841
Zimbabwe	Seedco, Zimbabwe	W. Chivasa	P.O. Box WGT64, Harare	walerchi@seedcogroup.com	263 4 308 891/9	263 4 304 842
Zimbabwe	Seedco, Zimbabwe	T. Mutuvira	P.O.Box 446, Kadoma	tembamu@krc.seedco.co.zw	263 912 440 133	
Zimbabwe	Seedco, Zimbabwe	L. Masundire	P.O. Box WGT64, Harare	lenninmu@rars.seedco.co.zw	263 4 308 891/8	263 4 304 841

5. Summary Results

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.
Color legend on page 3

TABLE 3A

Entry	Name	Pedigree	Origin	Comments	Across			Mid-Alt	Agro-ecological Zone: Southern Africa								
					RelGY	Rank		Mid-Alt	Mid-Alt Hunid		Mid-Alt	Lowland	Managed Stress		Low PH	Central	Anth
								E. Africa	Wet	Warm	Dry	Tropical Dry	Drought	Low N		Africa	Date
									A	B	C	E					
					%	Avg	StdDev	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	d
Entries with anthesis dates between 64 and 66 days																	
43	VP0735	VHTC06AcSyn	CIMMYT	Non-QPM OPV	104	21	12	7.87	4.70	3.21	3.52	2.65	1.44	1.62	3.63	3.00	66.1
13	VP041	VP041-#	CIMMYT	Non-QPM OPV	103	27	15	6.81	4.30	2.53	3.34	2.76	1.82	1.51	2.57	3.12	66.0
11	VP05181	[ZEWBc1F2/99SADV	CIMMYT	Non-QPM OPV	98	28	12	8.24	4.47	3.10	3.21	2.47	1.42	1.31	2.89	2.56	66.0
12	VP05120	[P401,P402,ZEWAc1F	CIMMYT	Non-QPM OPV	99	29	12	7.38	4.21	2.61	3.33	2.65	1.46	1.30	2.85	3.59	66.0
23	VP077	(VP047/G16BNSeqC4	CIMMYT	Non-QPM OPV	98	29	14	6.22	3.92	2.66	3.36	2.77	1.48	1.53	2.97	2.75	64.9
15	VP05118	P401,P402,ZEWAc1F	CIMMYT	Non-QPM OPV	94	30	13	7.19	3.90	2.82	3.22	2.55	1.49	1.32	2.98	2.80	64.4
10	ZM309	VP047	CIMMYT	Non-QPM OPV	93	32	13	6.33	4.01	3.12	3.22	2.31	1.14	1.65	2.91	2.88	65.1
14	VP05119	[P401,P402,ZEWBc1F	CIMMYT	Non-QPM OPV	97	33	10	7.25	4.09	2.81	3.02	3.09	1.14	1.18	2.21	3.04	65.8
16	VP05113	[ZEWAc1F2L/ZEWBc	CIMMYT	Non-QPM OPV	94	34	13	7.00	3.51	3.13	3.33	2.43	1.41	1.18	3.15	2.58	64.5
21	VP075	(VP041/G16BNSeqC4	CIMMYT	Non-QPM OPV	89	34	11	6.49	3.86	2.54	3.22	2.46	1.49	1.21	3.26	2.71	66.1
9	ZEWASR-IR	ZEWASR-IR	CIMMYT	IR OPV	81	40	7	6.86	3.82	2.71	3.03	2.00	1.13	1.00	2.00	2.62	65.7
Matrurity group average					95	30	12	7.06	4.07	2.84	3.26	2.56	1.40	1.35	2.86	2.88	65.5
Entries with anthesis between 67 and 69 days																	
39	VP0728	VHTB06AcSyn	CIMMYT	Non-QPM OPV	112	13	12	9.45	5.54	3.25	3.87	2.63	1.59	1.62	2.64	4.12	69.1
36	VP0720	(VP047/03SADVI)F2	CIMMYT	Non-QPM OPV	112	16	11	7.40	4.68	3.09	4.00	3.14	1.35	1.69	3.86	3.96	67.9
41	VP0730	VHTA06DTSyn	CIMMYT	Non-QPM OPV	108	17	12	8.87	4.88	2.74	3.94	2.77	1.39	1.49	3.41	3.68	68.6
31	VP0715	(VP047/LaPostaSeqC	CIMMYT	Non-QPM OPV	106	18	11	8.09	4.89	3.52	3.94	2.59	1.44	1.63	3.27	2.82	68.8
25	VP079	(VP041/DTPWC9)F2	CIMMYT	Non-QPM OPV	106	19	9	8.09	4.73	3.08	4.09	2.82	1.69	1.38	2.94	3.21	68.3
29	VP0713	(VP041/LaPostaSeqC	CIMMYT	Non-QPM OPV	107	20	12	7.63	4.82	3.15	3.92	2.86	1.41	1.37	2.68	2.98	68.9
28	VP0712	(Syn01E2/DTPWC9)F	CIMMYT	Non-QPM OPV	105	21	12	8.01	4.81	3.18	4.09	2.54	1.47	1.50	2.34	2.92	69.2
27	VP0711	(VP047/DTPWC9)F2	CIMMYT	Non-QPM OPV	106	23	14	7.15	4.43	2.77	3.83	3.17	1.58	1.57	2.60	3.09	67.0
34	VP0718	(VP041/03SADVI)F2	CIMMYT	Non-QPM OPV	99	24	14	7.40	4.54	3.11	3.88	2.16	1.40	1.56	2.92	2.92	69.1
17	ZM401	Syn01E2	CIMMYT	Non-QPM OPV	101	24	12	8.04	4.52	3.27	3.62	3.03	1.21	1.28	3.10	2.81	68.8
33	VP0717	(Syn01E2/VP047)F2	CIMMYT	Non-QPM OPV	102	24	14	8.00	4.63	2.45	3.71	2.73	1.26	1.28	2.62	3.97	67.6
18	VP0610	[Syn0411]H#-#	CIMMYT	Non-QPM OPV	100	25	12	8.40	4.14	3.00	3.33	2.59	1.33	1.39	2.59	3.38	67.9
24	VP078	(Syn01E2/G16BNSeq	CIMMYT	Non-QPM OPV	102	26	14	6.89	4.15	3.05	3.46	3.08	1.82	1.35	3.47	3.01	67.0
49	Local Check	Local Check	Various	Various	99	27	16	8.41	4.83	2.85	3.37	2.33	1.21	1.35	3.96	3.12	69.1
22	VP076	(VP046/G16BNSeqC4	CIMMYT	Non-QPM OPV	96	28	12	7.31	4.22	2.93	3.45	2.53	1.55	1.32	2.41	2.77	68.1
19	VP0611	[Syn0412]H#-#	CIMMYT	Non-QPM OPV	97	28	12	7.24	4.39	2.53	3.40	2.69	1.35	1.42	2.38	3.12	68.0
42	VP0731	VHTB06DTSyn	CIMMYT	Non-QPM OPV	94	29	12	7.17	4.07	3.08	3.51	2.56	1.80	1.02	2.50	2.99	66.5
8	Strigoff-216	ECA-STRIGOFF-VE-	CIMMYT	IR OPV	94	31	9	7.42	4.09	3.03	3.36	2.48	1.38	1.35	2.45	2.83	67.1
4	ZM421-IR	[ZM421/BULK	CIMMYT	IR OPV	90	32	11	7.56	3.93	2.88	3.29	2.31	1.37	1.30	3.38	3.10	68.1
6	Strigoff-210	ECA-STRIGOFF-VE-	CIMMYT	IR OPV	88	34	14	7.60	3.95	2.64	3.45	2.40	1.02	1.13	2.34	2.76	68.9
7	Strigoff-214	ECA-STRIGOFF-VE-	CIMMYT	IR OPV	90	36	12	7.10	3.70	2.93	2.86	2.33	1.40	1.19	3.14	3.40	67.8
Matrurity group average					101	24	12	7.77	4.47	2.98	3.64	2.65	1.43	1.39	2.90	3.19	68.2
Entries with anthesis dates between 70 and 72 days																	
40	VP0729	VHTA06AcSyn	CIMMYT	Non-QPM OPV	118	10	11	8.54	5.79	3.59	4.39	2.91	1.48	1.55	3.01	3.19	70.3
1	ZM525	02SADVE-#-#	CIMMYT	Non-QPM OPV	111	15	13	8.85	5.53	3.19	3.89	2.39	1.03	1.57	3.14	3.29	69.5
48	07SADVE	07SADVIA/07SADVIB-	CIMMYT	Non-QPM OPV	111	15	13	8.86	5.41	2.79	3.69	2.81	1.15	1.87	3.22	3.39	71.2
37	VP0721	(Syn01E2/03SADVI)F	CIMMYT	Non-QPM OPV	108	17	13	8.99	4.75	3.22	4.12	3.71	1.13	1.32	3.45	3.76	69.8
26	VP0710	(VP046/DTPWC9)F2	CIMMYT	Non-QPM OPV	107	17	13	9.11	4.91	3.62	3.71	3.17	1.56	1.39	2.49	3.25	71.0
32	VP0716	(Syn01E2/LaPostaSe	CIMMYT	Non-QPM OPV	107	18	11	8.54	4.69	3.21	4.27	2.47	1.36	1.59	3.11	3.19	70.3
3	ZM423	ZM423-#	CIMMYT	Non-QPM OPV	106	18	14	8.79	4.86	3.37	3.79	2.04	1.66	1.68	2.63	2.88	69.5
2	ZM523	ZM523-#	CIMMYT	Non-QPM OPV	103	20	13	8.43	4.84	3.12	3.87	2.52	1.42	1.47	2.09	3.67	71.4
20	VP05191	Syn051	CIMMYT	Non-QPM OPV	101	23	11	8.50	4.40	2.80	3.53	2.60	1.78	1.46	2.90	3.13	71.2
38	VP0722	(V032/03SADVI)F2	CIMMYT	Non-QPM OPV	100	25	13	7.98	4.56	2.86	3.81	2.58	1.39	1.22	3.97	3.53	69.6
47	VP0738	([Obatanpa/IWDC2SY	CIMMYT	QPM OPV	97	30	14	8.99	4.13	2.75	3.61	3.09	1.18	1.01	1.90	2.71	71.6
44	VP0737	([Obatanpa/ZEADIPL	CIMMYT	QPM OPV	89	31	14	8.56	4.25	2.94	3.34	2.26	1.03	0.98	2.16	3.09	71.7
5	Strigoff-209	ECA-STRIGOFF-VE-	CIMMYT	IR OPV	89	33	13	6.80	4.05	3.03	3.33	2.63	1.20	1.21	2.78	2.48	69.6
Matrurity group average					104	21	13	8.53	4.78	3.11	3.79	2.71	1.34	1.41	2.83	3.20	70.5
Entries with anthesis dates gretar thatn 72 days																	
30	VP0714	(VP046/LaPostaSeqC	CIMMYT	Non-QPM OPV	109	15	13	8.95	5.21	2.94	4.10	3.16	1.34	1.49	1.64	3.39	72.8
35	VP0719	(VP046/03SADVI)F2	CIMMYT	Non-QPM OPV	96	25	15	7.50	4.88	2.45	3.72	2.45	1.54	1.37	3.07	3.97	72.5
45	VP0740	([Obatanpa/ZEADIPL	CIMMYT	QPM OPV	97	28	15	7.63	4.87	3.22	3.71	2.64	1.04	1.08	1.83	2.58	72.8
46	VP0736	([Obatanpa/TZLCOMP	CIMMYT	QPM OPV	88	35	11	7.85	3.90	3.03	3.12	2.70	1.16	1.03	2.88	2.66	72.7
Matrurity group average					98	26	13	7.98	4.71	2.91	3.66	2.74	1.27	1.24	2.36	3.15	72.7
Mean					100	25	12	7.83	4.48	2.98	3.60	2.65	1.38	1.37	2.83	3.12	**68.6**
LSD (0.05)					8	7	2	1.08	0.50	0.51	0.43	0.58	0.42	0.28	0.85	0.78	**0.5**
Min					81	10	7	6.22	3.51	2.45	2.86	2.00	1.02	0.98	1.64	2.48	**64.4**
Max					118	40	16	9.45	5.79	3.62	4.39	3.71	1.82	1.87	3.97	4.12	**72.8**
NumSignificantSites					36	36	36	3	8	3	9	4	1	3	1	2	39

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.
Color legend on page 3

TABLE 3B

Entry	Name	Across			Anth	Plant	Ear	Ear	Lodging		Ear	GLS	P.sorg	E.turc	Grain	MSV	Ear	Plant
		RelGY	Rank		Date	Height	Height	Position	Root	Stem	Rot				Text		Aspect	Aspect
		%	Avg	StdDev	d	cm	cm	0-1	%	%	%	1-5	1-5	1-5	1-5	1-5	1-5	1-5
Entries with anthesis dates between 64 and 66 days																		
43	VP0735	104	21	12	66.1	173.9	77.1	0.41	6.4	22.7	0.1	2.1	1.7	2.3	2.5	1.5	3.0	2.6
13	VP041	103	27	15	66.0	171.3	75.6	0.41	6.9	24.7	5.2	1.4	1.7	2.6	2.5	2.2	3.0	2.8
11	VP05181	98	28	12	66.0	169.9	76.8	0.41	6.3	24.8	0.7	1.7	1.8	2.6	2.2	2.5	2.7	2.7
12	VP05120	99	29	12	66.0	170.1	76.0	0.42	7.9	29.4	19.5	1.9	1.8	2.4	2.5	2.1	2.6	2.7
23	VP077	98	29	14	64.9	159.4	71.2	0.41	7.5	23.3	1.1	2.3	1.9	2.6	2.4	2.2	3.1	2.9
15	VP05118	94	30	13	64.4	169.1	74.1	0.40	8.9	23.1	-1.5	1.8	1.9	2.6	2.4	2.5	2.7	2.8
10	ZM309	93	32	13	65.1	159.7	70.5	0.41	5.9	22.1	2.7	2.0	1.6	2.4	2.2	2.3	3.0	2.7
14	VP05119	97	33	10	65.8	167.8	76.5	0.42	7.2	25.7	11.6	1.8	1.7	2.5	2.2	2.2	2.9	2.2
16	VP05113	94	34	13	64.5	165.2	71.9	0.40	8.3	23.2	0.9	2.0	1.7	2.9	2.0	2.8	2.6	2.4
21	VP075	89	34	11	66.1	166.5	74.6	0.42	7.5	32.2	0.4	2.3	2.0	2.9	2.6	3.2	3.1	3.2
9	ZEWASR-IR	81	40	7	65.7	168.2	75.1	0.42	8.8	27.8	1.3	2.3	1.7	2.8	2.1	2.5	2.9	2.7
Matrurity group average		95	30	12	65.5	167.4	74.5	0.41	7.4	25.4	3.8	2.0	1.8	2.6	2.3	2.4	2.9	2.7
Entries with anthesis between 67 and 69 days																		
39	VP0728	112	13	12	69.1	178.7	84.0	0.45	6.7	20.7	1.0	1.7	1.5	2.0	2.8	1.8	2.8	2.2
36	VP0720	112	16	11	67.9	172.5	81.1	0.44	3.8	26.3	0.3	1.6	1.7	2.2	2.5	2.2	2.9	2.3
41	VP0730	108	17	12	68.6	175.5	84.9	0.45	4.0	20.3	2.1	1.9	1.6	2.1	2.5	1.9	2.8	2.2
31	VP0715	106	18	11	68.8	168.7	79.3	0.44	4.7	24.2	-1.7	1.8	1.6	2.5	2.5	2.9	2.9	2.5
25	VP079	106	19	9	68.3	175.2	84.1	0.44	4.1	22.8	5.5	1.5	1.7	2.4	2.2	2.7	3.0	2.4
29	VP0713	107	20	12	68.9	177.2	81.8	0.43	7.3	25.6	8.1	1.8	1.8	2.5	2.9	2.1	2.9	2.3
28	VP0712	105	21	12	69.2	174.6	82.4	0.44	4.8	23.4	-0.7	1.8	1.7	2.5	2.2	2.5	2.7	2.4
27	VP0711	106	23	14	67.0	168.5	76.8	0.43	8.4	22.0	-5.0	2.0	1.7	2.5	2.4	2.3	2.7	2.6
34	VP0718	99	24	14	69.1	172.6	81.6	0.43	7.4	28.7	1.3	2.0	1.8	2.3	2.7	2.4	2.9	2.2
17	ZM401	101	24	12	68.8	176.7	84.7	0.44	5.4	30.8	0.9	1.6	1.6	2.6	2.3	2.1	2.9	2.3
33	VP0717	102	24	14	67.6	177.8	82.3	0.43	7.0	25.3	8.6	1.5	1.6	2.4	2.4	2.5	2.8	2.4
18	VP0610	100	25	12	67.9	166.8	79.9	0.44	4.8	23.1	1.1	2.1	1.5	2.5	1.8	2.9	2.5	2.6
24	VP078	102	26	14	67.0	170.4	79.7	0.42	7.0	24.1	1.4	1.9	1.9	2.9	2.6	3.4	3.1	2.8
49	Local Check	99	27	16	69.1	180.7	86.2	0.45	7.5	26.2	-2.5	1.7	1.5	2.3	2.2	2.2	2.5	2.9
22	VP076	96	28	12	68.1	169.7	82.7	0.45	6.0	24.0	-0.3	2.0	1.9	2.6	2.7	1.9	3.0	2.5
19	VP0611	97	28	12	68.0	165.0	79.0	0.43	10.1	27.2	8.7	1.8	1.7	2.4	1.6	2.5	2.4	2.6
42	VP0731	94	29	12	66.5	165.8	74.3	0.41	4.5	24.8	1.9	1.8	1.5	2.5	2.5	2.1	2.9	2.2
8	Strigoff-216	94	31	9	67.1	171.6	77.8	0.43	10.2	30.3	0.0	2.0	1.8	2.7	2.4	2.4	3.0	2.3
4	ZM421-IR	90	32	11	68.1	177.5	80.5	0.43	6.9	26.1	3.2	1.6	1.6	2.5	2.6	2.4	2.9	2.4
6	Strigoff-210	88	34	14	68.9	176.8	85.5	0.45	9.3	27.7	-1.0	1.9	1.7	2.7	2.3	2.3	2.9	2.7
7	Strigoff-214	90	36	12	67.8	168.1	78.5	0.43	7.1	22.1	20.8	1.5	1.7	2.6	2.1	2.8	2.9	2.6
Matrurity group average		101	24	12	68.2	172.9	81.3	0.44	6.5	25.0	2.6	1.8	1.7	2.5	2.4	2.4	2.8	2.4
Entries with anthesis dates between 70 and 72 days																		
40	VP0729	118	10	11	70.3	182.1	89.0	0.46	5.8	23.7	1.9	1.8	1.4	2.2	2.8	1.9	2.6	2.2
1	ZM525	111	15	13	69.5	170.6	79.5	0.43	4.0	20.6	-11.5	1.4	1.3	2.1	2.9	2.4	2.9	2.0
48	07SADVE	111	15	13	71.2	164.7	78.4	0.45	4.7	19.5	-3.8	1.3	1.7	1.8	2.7	1.8	2.7	2.1
37	VP0721	108	17	13	69.8	180.3	88.8	0.47	5.3	31.4	-3.2	1.6	1.5	2.3	2.4	2.9	2.5	2.3
26	VP0710	107	17	13	71.0	180.7	89.9	0.48	5.6	25.7	-1.3	2.2	1.7	2.7	2.4	2.7	3.0	2.5
32	VP0716	107	18	11	70.3	181.0	87.3	0.46	2.5	26.3	2.7	1.9	1.7	2.4	3.0	2.1	2.9	2.2
3	ZM423	106	18	14	69.5	179.3	83.3	0.44	5.9	31.3	-0.7	1.5	1.8	2.2	2.6	2.8	3.1	2.0
2	ZM523	103	20	13	71.4	177.6	88.0	0.45	5.8	24.2	-1.3	1.4	1.6	1.9	2.7	2.4	2.9	2.0
20	VP05191	101	23	11	71.2	180.8	84.8	0.46	3.3	22.4	-0.2	1.9	1.4	1.9	2.3	2.3	2.4	2.3
38	VP0722	100	25	13	69.6	176.9	82.1	0.44	4.8	25.8	1.2	1.6	1.4	2.3	2.7	2.4	3.1	2.2
47	VP0738	97	30	14	71.6	185.6	88.8	0.45	7.7	25.2	-0.3	1.7	2.0	3.0	2.4	2.5	3.0	2.8
44	VP0737	89	31	14	71.7	185.5	85.4	0.45	7.3	26.0	-1.2	1.8	1.9	2.9	2.1	2.8	3.0	2.9
5	Strigoff-209	89	33	13	69.6	171.1	80.4	0.44	8.3	25.5	3.5	2.5	1.7	2.5	2.3	2.4	3.2	2.9
Matrurity group average		104	21	13	70.5	178.2	85.1	0.45	5.5	25.2	-1.1	1.7	1.6	2.3	2.6	2.4	2.9	2.3
Entries with anthesis dates gretar thatn 72 days																		
30	VP0714	109	15	13	72.8	179.6	90.8	0.48	4.1	24.6	1.0	2.0	1.6	2.6	2.6	2.1	3.0	2.3
35	VP0719	96	25	15	72.5	183.3	98.3	0.51	5.1	23.9	4.0	1.4	1.4	2.4	2.8	2.1	2.9	2.4
45	VP0740	97	28	15	72.8	186.5	92.1	0.46	6.1	22.2	0.0	1.6	1.7	2.3	1.7	3.3	2.9	2.4
46	VP0736	88	35	11	72.7	190.8	91.6	0.45	5.3	32.6	1.0	2.1	1.8	2.8	2.3	2.9	2.9	3.0
Matrurity group average		98	26	13	72.7	185.1	93.2	0.47	5.2	25.8	1.5	1.8	1.6	2.5	2.4	2.6	2.9	2.5
Mean		100	25	12	**68.6**	**174.0**	**81.7**	**0.44**	**6.3**	**25.2**	**1.8**	**1.8**	**1.7**	**2.5**	**2.4**	**2.4**	**2.9**	**2.5**
LSD (0.05)		8	7	2	**0.5**	**4.6**	**3.4**	**0.02**	**3.1**	**6.0**	**12.5**	**0.4**	**0.3**	**0.3**	**0.2**	**0.7**	**0.3**	**0.4**
Min		81	10	7	**64.4**	**159.4**	**70.5**	**0.40**	**2.5**	**19.5**	**-11.5**	**1.3**	**1.3**	**1.8**	**1.6**	**1.5**	**2.4**	**2.0**
Max		118	40	16	**72.8**	**190.8**	**98.3**	**0.51**	**10.2**	**32.6**	**20.8**	**2.5**	**2.0**	**3.0**	**3.0**	**3.4**	**3.2**	**3.2**
NumSignificantSites		36	36	36	39	21	27	20	6	6	2	5	2	10	11	2	9	2

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.
Color Legend on page 3

TABLE 4A

Entry	Name	Pedigree	Origin	Comments	Across			Agro-ecological Zone: Southern Africa			Managed Stress				
					RelGY	Rank		Mid-Alt E. Africa	Mid-Alt Humid A	Mid-Alt Dry C	Drought	Low N	MSV	Central Africa	Anth Date
					%	Avg	StdDev	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	d
Entries with anthesis dates between 71 and 72 days															
3	ZM725	04SADVL	CIMMYT	Non-QPM OPV	128	5	3	4.29	5.96	4.09	2.02	1.03	7.92	4.95	72.5
5	ZM625	ZM625-#	CIMMYT	Non-QPM OPV	111	7	4	4.24	6.12	3.88	1.57	1.14	6.92	4.16	71.8
6	ZM627	03SADVI-##(Brd)-#	CIMMYT	Non-QPM OPV	122	8	5	4.85	5.88	3.38	1.77	1.11	6.54	4.11	72.1
19	07WEEVIL	07WEEVILA/07WEEVILB-#	CIMMYT	Non-QPM OPV	106	10	4	3.43	5.58	3.66	1.38	0.90	5.66	4.31	71.4
20	AFRIC1	AFRIC1	AFRIC1	Non-QPM OPV	102	10	5	4.58	5.97	3.75	1.84	0.78	6.01	3.98	72.5
21	Local Check	Local Check	Various	Various	98	11	7	4.12	6.16	2.96	1.23	0.97	8.46	3.51	72.1
11	Strigoff-140	ECA-STRIGOFF-VL-140	CIMMYT	Non-QPM OPV	89	14	5	3.40	4.54	3.45	1.63	0.56	4.86	3.47	72.1
Maturity group average					108	9	5	4.13	5.75	3.59	1.63	0.93	6.62	4.07	72.1
Entries with anthesis dates between 73 and 75 days															
12	UG1	UG1	CIMMYT	Non-QPM OPV	116	5	4	4.90	6.61	3.93	1.78	1.03	6.50	5.05	73.0
18	07SADVI	07SADVLA/07SADVLB-#	CIMMYT	Non-QPM OPV	119	5	3	4.67	6.27	4.04	1.84	0.98	6.65	5.53	73.0
2	05SADVI	05SADVI	CIMMYT	Non-QPM OPV	112	6	5	5.32	6.60	3.58	1.86	0.98	7.54	4.84	73.3
4	ZM721	ZM721-#	CIMMYT	Non-QPM OPV	112	8	4	4.28	5.62	3.99	1.64	0.81	6.75	4.36	73.6
13	Chitedze 6	Chitedze 6	CIMMYT	Non-QPM OPV	101	10	5	3.93	5.71	3.35	1.68	0.90	7.44	4.35	72.6
10	Strigoff-129	ECA-STRIGOFF-VL-129	CIMMYT	IR-OPV	105	11	5	3.61	5.15	3.44	1.79	0.75	2.91	4.39	73.3
16	VP074	QSyn074	CIMMYT	QPM OPV	91	13	6	3.21	4.89	3.15	1.11	1.09	6.20	4.23	74.5
9	Strigoff-128	ECA-STRIGOFF-VL-128	CIMMYT	IR-OPV	91	14	4	3.94	5.16	3.19	1.43	0.87	4.21	2.74	73.6
17	VP072	QSyn072	CIMMYT	QPM OPV	89	14	4	3.72	4.78	3.11	1.47	0.73	6.71	3.47	73.3
8	Strigoff-126	ECA-STRIGOFF-VL-126	CIMMYT	IR-OPV	84	15	4	3.93	4.74	3.23	1.14	0.55	5.61	4.19	73.6
15	VP073	QSyn073	CIMMYT	QPM OPV	85	15	4	3.61	4.62	2.77	1.31	0.61	5.20	3.92	74.5
7	Strigoff-125	ECA-STRIGOFF-VL-125	CIMMYT	IR-OPV	81	16	4	3.54	4.70	3.08	1.36	0.43	4.55	3.95	73.0
1	Strigoff-133	ECA-STRIGOFF-VL-133	CIMMYT	IR-OPV	81	16	4	2.89	4.59	2.93	1.79	0.47	5.69	4.26	73.0
14	VP05199	QSyn051	CIMMYT	QPM OPV	76	18	4	3.52	3.72	2.61	1.06	0.66	6.33	2.68	74.1
Maturity group average					96	12	4	3.93	5.23	3.31	1.52	0.78	5.88	4.14	73.5
Mean					100	11	4	4.00	5.40	3.41	1.56	0.83	6.13	4.12	**73.0**
LSD (0.05)					15	4	1	0.65	0.69	0.62	0.37	0.28	1.97	0.82	**0.5**
Min					76	5	3	2.89	3.72	2.61	1.06	0.43	2.91	2.68	**71.4**
Max					128	18	7	5.32	6.61	4.09	2.02	1.14	8.46	5.53	**74.5**
NumSignificantSites					18	18	18	1	5	4	3	2	1	2	17

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.
Color legend on page 3

TABLE 4B

Entry	Name	Pedigree	Across			Anth	Plant	Ear	Ear	Lodging		Husk	GLS	P.sorg	E.turc	Grain	MSV	Ear	Plant
			RelGY	Rank		Date	Height	Height	Position	Root	Stem	Cover				Text		Aspect	Aspect
			%	Avg	StdDev	d	cm	cm	0-1	%	%	%	1-5	1-5	1-5	1-5	1-5	1-5	1-5
Entries with anthesis dates between 71 and 72 days																			
3	ZM725	04SADVL	128	5	3	72.5	181.6	80.1	0.43	16.3	8.5	7.0	1.8	3.2	2.2	2.6	1.6	3.1	1.9
5	ZM625	ZM625-#	111	7	4	71.8	177.3	75.4	0.42	15.2	9.6	8.7	1.8	3.2	2.5	2.7	2.1	2.9	2.1
6	ZM627	03SADVI-#-#(Brd)-#	122	8	5	72.1	177.2	71.3	0.40	25.8	10.3	9.3	1.5	3.2	2.5	2.3	2.1	2.8	1.7
19	07WEEVIL	07WEEVILA/07WEEVILB-#	106	10	4	71.4	178.5	69.1	0.38	23.9	4.5	17.9	1.8	2.7	2.0	2.1	2.2	2.9	1.8
20	AFRIC1	AFRIC1	102	10	5	72.5	183.5	78.3	0.44	20.1	9.0	8.4	1.9	2.3	2.7	3.1	1.5	3.2	2.0
21	Local Check	Local Check	98	11	7	72.1	193.4	78.3	0.44	31.6	11.2	7.7	1.7	2.8	2.2	2.2	2.4	2.5	2.7
11	Strigoff-140	ECA-STRIGOFF-VL-140	89	14	5	72.1	171.4	74.4	0.42	29.5	13.6	9.8	2.2	3.0	2.7	2.4	2.7	3.6	2.8
Maturity group average			108	9	5	72.1	180.4	75.3	0.42	23.2	9.5	9.8	1.8	2.9	2.4	2.5	2.1	3.0	2.1
Entries with anthesis dates between 73 and 75 days																			
12	UG1	UG1	116	5	4	73.0	181.6	77.0	0.43	16.3	6.3	15.3	1.7	2.7	2.1	1.9	2.5	2.4	2.5
18	07SADVI	07SADVLA/07SADVLB-#	119	5	3	73.0	181.4	80.5	0.45	16.8	7.9	11.3	1.5	2.8	1.7	2.1	2.1	2.7	2.1
2	05SADVI	05SADVI	112	6	5	73.3	179.1	72.1	0.42	11.2	6.6	21.2	1.5	2.7	2.1	2.3	2.1	2.9	1.8
4	ZM721	ZM721-#	112	8	4	73.6	182.7	78.8	0.43	18.2	12.3	6.3	1.7	2.5	2.6	2.7	2.0	3.0	2.1
13	Chitedze 6	Chitedze 6	101	10	5	72.6	168.6	73.7	0.43	23.9	7.6	27.7	2.0	2.8	1.9	2.1	1.7	3.4	2.1
10	Strigoff-129	ECA-STRIGOFF-VL-129	105	11	5	73.3	177.1	79.0	0.46	26.4	11.6	13.3	1.6	2.8	2.2	2.3	1.7	3.0	1.5
16	VP074	QSyn074	91	13	6	74.5	185.6	84.8	0.45	12.2	9.8	17.1	1.7	2.5	1.9	1.7	2.6	2.5	1.9
9	Strigoff-128	ECA-STRIGOFF-VL-128	91	14	4	73.6	170.5	77.3	0.45	21.6	10.7	9.8	2.1	2.7	2.3	2.6	1.8	3.0	2.0
17	VP072	QSyn072	89	14	4	73.3	185.2	80.1	0.46	21.4	10.7	15.9	1.7	3.2	1.8	1.4	2.2	2.5	2.2
8	Strigoff-126	ECA-STRIGOFF-VL-126	84	15	4	73.6	191.2	79.6	0.42	24.4	8.6	10.7	2.0	3.0	2.9	2.5	2.3	3.4	2.2
15	VP073	QSyn073	85	15	4	74.5	185.6	80.7	0.42	37.3	16.1	24.0	1.9	2.7	1.8	1.6	1.3	2.7	1.4
7	Strigoff-125	ECA-STRIGOFF-VL-125	81	16	4	73.0	177.3	78.9	0.47	24.3	15.7	26.9	1.8	3.0	2.7	2.9	3.0	3.2	1.9
1	Strigoff-133	ECA-STRIGOFF-VL-133	81	16	4	73.0	176.9	73.5	0.42	37.3	14.7	6.1	2.2	2.2	2.2	2.7	2.0	3.1	2.2
14	VP05199	QSyn051	76	18	4	74.1	175.7	73.7	0.42	25.7	18.5	13.4	2.2	2.7	2.3	2.1	2.8	2.8	2.9
Maturity group average			96	12	4	73.5	179.9	77.8	0.44	22.6	11.2	15.6	1.8	2.7	2.2	2.2	2.2	2.9	2.0
Mean			100	11	4	**73.0**	**180.1**	**77.0**	**0.43**	**22.8**	**10.7**	**13.7**	**1.8**	**2.8**	**2.3**	**2.3**	**2.1**	**2.9**	**2.1**
LSD (0.05)			15	4	1	**0.5**	**7.5**	**5.8**	**0.02**	**12.7**	**5.3**	**12.7**	**0.3**	**0.5**	**0.3**	**0.2**	**1.0**	**0.4**	**0.7**
Min			76	5	3	**71.4**	**168.6**	**69.1**	**0.38**	**11.2**	**4.5**	**6.1**	**1.5**	**2.2**	**1.7**	**1.4**	**1.3**	**2.4**	**1.4**
Max			128	18	7	**74.5**	**193.4**	**84.8**	**0.47**	**37.3**	**18.5**	**27.7**	**2.2**	**3.2**	**2.9**	**3.1**	**3.0**	**3.6**	**2.9**
NumSignificantSites			18	18	18	17	12	10	7	3	5	1	6	1	6	11	1	5	1

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08. Color legend on page 3

TABLE 5A

								Agro-ecological Zone: Southern Africa									
							Mid-Alt.	Mid-Alt. Humid		MiD-Alt.	Lowland Tropical		Managed Stress		Low	MSV	Anth. Date
Entry	Name	Pedigree	Origin	Across			E. Africa	Wet	Warm	Dry	Humid	Dry	Drought	Low N	pH		
								A	B	C	D	E					
				%	Avg	StdDev	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	d
Entries with anthesis dates between 59 and 61 days																	
62	CZH0743	CZL0723/CZL0724//CZL0722	CIMMYT	Non-QPM Hybrid	84	46	16	4.99	4.31	3.83	2.76	0.94	1.49	2.20	0.63	2.81	6.94	61.4
34	CZH04012	CZL04008/CZL04009//CZL0722	CIMMYT	Non-QPM Hybrid	83	47	16	4.76	4.06	3.68	2.36	1.03	1.84	2.30	0.85	2.26	5.58	59.1
61	CZH0742	CZL0721/CZL0724//CZL0722	CIMMYT	Non-QPM Hybrid	83	48	15	5.01	4.78	4.01	2.67	1.27	1.46	1.84	0.84	2.19	6.25	61.2
60	CZH0741	CZL0721/CZL0723//CZL0722	CIMMYT	Non-QPM Hybrid	82	48	16	4.50	4.14	3.92	2.76	1.29	1.40	2.00	0.72	2.20	6.19	60.2
35	CZH071	CZL04008/CZL04008//CZH0512	CIMMYT	Non-QPM Hybrid	84	48	16	4.76	4.06	3.68	2.36	1.03	1.84	2.30	0.85	2.26	5.58	59.1
Maturity group average					83	47	16	4.80	4.27	3.83	2.58	1.11	1.61	2.13	0.78	2.34	6.11	60.2
Entries with anthesis dates between 62 an 64 days																	
53	CZH0734	CZL03014/CML442//CZL04002	CIMMYT	Non-QPM Hybrid	99	34	16	5.67	4.71	4.56	3.61	1.28	1.96	1.74	1.00	2.73	8.39	64.5
54	CZH0735	CZL0717/CZL0718//CML509/CML505	CIMMYT	Non-QPM Hybrid	96	35	14	5.78	5.12	4.70	3.52	0.86	1.74	2.47	0.94	2.87	8.80	63.7
56	CZH0737	CZL0523/CZL0720//CZL0717/CZL0718	CIMMYT	Non-QPM Hybrid	95	36	17	5.64	4.89	4.77	3.09	1.24	1.89	2.40	0.68	3.29	6.64	62.4
55	CZH0736	CZL04008/CZL0719//CZL0717/CZL0718	CIMMYT	Non-QPM Hybrid	86	45	15	5.23	4.46	4.32	2.63	1.22	1.72	2.45	0.65	2.67	6.58	61.9
58	CZH0739	CZL0723/CZL0719//CZL0722	CIMMYT	Non-QPM Hybrid	83	47	14	4.76	4.06	3.90	3.01	1.23	1.48	2.02	0.72	2.37	5.84	61.6
57	CZH0738	CZL0719/CZL0721//CZL0722	CIMMYT	Non-QPM Hybrid	78	51	13	5.09	3.68	3.93	2.84	1.24	1.44	1.82	0.89	1.39	5.96	61.7
59	CZH0740	CZL0719/CZL0724//CZL0722	CIMMYT	Non-QPM Hybrid	74	53	12	4.81	4.09	3.68	2.64	0.92	1.54	2.01	0.49	2.66	5.91	62.3
Maturity group average					87	43	14	5.28	4.43	4.26	3.05	1.14	1.68	2.13	0.77	2.57	6.87	62.6
Entries with anthesis dates between 65 and 67 days																	
21	CZH0613	CML312/CML440//CZL0610	CIMMYT	Non-QPM Hybrid	116	22	18	6.78	5.30	5.55	4.13	1.14	2.03	1.89	1.41	2.10	8.96	66.6
49	CZH0524	CML395/CZL0520//CZL00009	CIMMYT	Non-QPM Hybrid	114	23	15	6.62	5.82	5.44	3.57	2.24	2.16	2.06	1.43	4.28	10.71	66.1
20	CZH0615	CZL00003/CML488//CZL03014	CIMMYT	Non-QPM Hybrid	109	24	12	7.33	5.51	5.04	3.87	1.34	1.94	1.77	1.09	2.88	10.59	65.5
64	CZH0746	CZL0713/CZL077//CZL03014	CIMMYT	Non-QPM Hybrid	103	29	15	6.94	5.23	5.20	3.76	1.07	2.28	1.77	0.80	3.17	10.54	66.9
51	CZH0731	CML312/CML442//CZL0715	CIMMYT	Non-QPM Hybrid	101	33	16	6.95	5.06	5.00	3.71	0.87	1.68	1.51	1.10	2.53	9.56	67.1
52	CZH0732	CZL03014/CML442//CZL0716	CIMMYT	Non-QPM Hybrid	100	36	17	6.41	5.20	4.56	3.53	0.87	1.83	1.60	1.13	2.63	8.48	65.8
1	WH 105	WH 105	WESTERN SEED	Non-QPM Hybrid	92	39	15	6.73	4.85	4.59	3.37	1.20	1.48	1.66	0.87	2.93	7.23	66.7
36	CZH04003	CML312/CML442//CZL04003	CIMMYT	Non-QPM Hybrid	90	43	15	4.72	4.16	4.20	3.48	1.20	1.61	1.60	0.94	2.59	6.18	66.7
6	Pan 4M-19	Pan 4M-19	PANNAR	Non-QPM Hybrid	84	45	15	6.34	4.70	4.68	3.09	0.81	1.92	1.43	0.59	2.81	4.96	66.4
16	SC415	SC415	SEEDCO	Non-QPM Hybrid	83	48	16	5.38	4.01	3.76	2.92	0.70	1.70	2.33	0.68	2.24	5.44	65.6
37	CZH04002	CML312/CML442//CZL04002	CIMMYT	Non-QPM Hybrid	82	48	14	5.25	4.10	3.87	3.10	1.22	1.33	1.11	0.97	2.30	6.93	65.1
Maturity group average					98	36	15	6.31	4.90	4.72	3.50	1.15	1.81	1.70	1.00	2.77	8.14	66.2
Entries with anthesis dates between 68 and 70 days																	
30	CZH0728	CML312/CML443//CZL0713	CIMMYT	Non-QPM Hybrid	122	16	14	7.17	6.35	5.51	4.51	1.27	2.80	1.73	1.38	2.42	9.56	69.8
23	CZH0616	CML312/CML443//CZL0610	CIMMYT	Non-QPM Hybrid	119	17	15	6.76	5.90	5.82	4.18	1.55	2.27	2.44	1.29	3.21	9.14	68.2
31	CZH0724	CML312/CML442//CZL0713	CIMMYT	Non-QPM Hybrid	117	18	15	8.42	6.04	5.70	4.50	1.26	2.36	2.20	1.07	2.37	9.96	70.3
19	AFG4663	AFG4663	AFGRI	Non-QPM Hybrid	119	19	17	8.02	5.79	5.78	4.32	2.12	2.95	1.78	1.08	2.13	7.74	70.0
4	013WH29	013WH29	AREX-ZIMBABWE	Non-QPM Hybrid	113	20	15	8.24	5.66	5.86	4.36	1.00	2.31	1.84	0.85	3.70	10.54	69.4
44	CZH0536	CZL0517/CZL04021//CML181	CIMMYT	QPM Hybrid	112	21	14	7.06	5.88	5.55	4.22	1.53	2.06	1.98	0.98	3.30	6.84	69.7
24	CZH0610	CML312/CML444//CML445/CML488	CIMMYT	Non-QPM Hybrid	113	22	16	7.29	5.91	5.17	4.24	1.19	2.19	1.71	1.26	2.39	9.47	69.3
7	Pan 53	Pan 53	PANNAR	Non-QPM Hybrid	110	23	19	8.02	5.63	5.83	3.53	1.10	2.43	1.57	1.25	2.39	12.48	70.3
18	AFG4611	AFG4611	AFGRI	Non-QPM Hybrid	113	24	19	7.43	5.76	5.85	4.09	1.76	2.16	1.48	1.36	2.59	9.81	68.5
25	CZH0720	CZL0710/CZL0711//CZL02012	CIMMYT	Non-QPM Hybrid	111	24	15	6.84	5.71	5.71	4.13	0.98	2.10	1.89	1.15	2.29	9.68	68.3
32	CZH0729	CML312/CZL00001//CZL0713	CIMMYT	Non-QPM Hybrid	108	24	16	8.20	5.60	5.73	3.88	1.25	2.18	1.77	1.03	2.51	9.02	69.7
48	CZH0535	CML444/CML395//CZL0514	CIMMYT	Non-QPM Hybrid	110	24	15	7.52	5.39	5.61	4.04	1.58	1.78	2.51	1.15	2.40	10.30	68.5
33	CZH0727	CML312/CML443//CZL076	CIMMYT	Non-QPM Hybrid	112	25	17	6.98	6.02	5.27	3.76	1.14	2.08	1.46	1.44	2.71	8.71	69.4
22	CZH01008	CML443/CML444//CZL00003	CIMMYT	Non-QPM Hybrid	107	25	16	7.18	5.81	5.97	3.93	0.67	2.10	2.12	1.01	2.57	8.49	69.7
45	CZH0521	CZL0517/CZL04021//CML181/CZL01005	CIMMYT	QPM Hybrid	108	25	19	7.22	5.93	5.41	3.95	1.41	2.15	1.37	0.97	2.62	7.43	70.0
46	CZH03005	CML395/CML444//CML508	CIMMYT	Non-QPM Hybrid	109	26	16	7.00	5.24	5.07	4.05	1.32	2.23	1.94	1.08	2.59	8.55	67.7
38	CZH04032	CML181/CZL01005//CML511	CIMMYT	QPM Hybrid	108	27	16	7.36	5.30	5.45	3.62	1.47	1.95	1.79	1.34	2.31	6.77	68.9
42	CZH04005	CML395/CML444//CML509/CML505	CIMMYT	Non-QPM Hybrid	103	29	14	7.27	5.58	5.24	3.96	0.79	2.06	1.69	0.83	2.57	9.60	68.6
47	CZH0526	CML312/CML395//CZL0521	CIMMYT	Non-QPM Hybrid	105	29	17	7.04	5.43	4.99	4.28	1.60	1.92	1.72	0.81	3.30	9.43	69.5
43	CZH0530	CML312/CML504//CML488	CIMMYT	Non-QPM Hybrid	102	33	19	7.82	4.90	4.80	3.49	0.70	1.79	1.35	1.11	1.91	9.83	68.8
15	SC531	SC531	SEEDCO	Non-QPM Hybrid	99	33	17	7.28	5.22	5.56	3.63	1.64	1.74	1.78	0.76	2.77	7.24	67.8
3	WH002	WH002	WESTERN SEED	Non-QPM Hybrid	100	33	17	6.81	5.20	5.44	3.48	1.39	1.87	1.43	0.95	3.24	8.82	68.8
11	ZMS 526	ZMS 526	ZAMSEED	Non-QPM Hybrid	99	33	17	7.17	5.13	5.60	3.54	1.01	1.86	1.70	1.06	2.76	9.68	70.3
10	Pan 7M-97	Pan 7M-97	PANNAR	Non-QPM Hybrid	98	33	19	5.65	5.28	5.74	3.72	0.82	2.09	1.73	0.79	2.10	8.72	68.9
63	CZH0744	CZL03014/CML442//CZL0512	CIMMYT	Non-QPM Hybrid	103	34	18	6.71	4.79	4.86	3.59	1.00	2.13	1.84	1.00	3.58	8.33	67.9
41	CZH066	CML144/CZL067//CML511	CIMMYT	Non-QPM Hybrid	97	34	16	7.53	4.98	4.68	3.67	0.72	1.49	1.69	1.13	2.12	9.11	70.3
12	ZMS 508	ZMS 508	ZAMSEED	Non-QPM Hybrid	97	35	16	6.54	5.31	5.64	3.58	0.97	1.87	1.59	0.75	2.93	8.83	69.6
5	013WH30	013WH30	AREX-ZIMBABWE	Non-QPM Hybrid	95	35	19	5.58	5.67	4.95	3.05	1.25	1.83	1.59	0.87	3.48	6.14	68.8
39	CZH065	CML144/CZL067//CML181	CIMMYT	QPM Hybrid	98	35	14	6.22	5.11	4.93	3.60	0.94	1.90	1.50	0.95	2.31	5.55	68.0
14	30D79	30D79	PIONEER	Non-QPM Hybrid	92	37	20	7.61	5.31	5.04	3.69	0.73	1.67	0.65	0.76	1.70	8.91	70.4
40	CZH064	CML144/CML159//CZL066	CIMMYT	QPM Hybrid	96	37	16	6.80	4.85	4.86	3.92	1.48	1.85	1.34	0.81	2.50	7.43	69.9
13	30G97	30G97	PIONEER	Non-QPM Hybrid	94	38	18	6.14	5.06	5.05	3.17	0.78	1.90	1.25	0.76	3.15	8.49	70.2
65	Local Check	Local Check	Various	Non-QPM Hybrid	90	39	19	7.17	4.77	4.89	3.33	1.67	1.45	1.33	0.83	3.13	8.44	69.4
50	CZH0730	CML509/CML505//CZL0714	CIMMYT	Non-QPM Hybrid	93	40	15	6.21	4.85	4.31	3.59	0.76	1.54	1.82	0.83	2.36	8.36	67.6
9	Pan 77	Pan 77	PANNAR	Non-QPM Hybrid	93	41	17	6.14	4.99	4.56	3.70	1.49	2.21	1.43	0.74	2.12	7.58	69.2
17	SC411	SC411	SEEDCO	Non-QPM Hybrid	79	50	13	5.40	4.30	4.31	2.82	1.12	1.61	1.03	0.54	2.27	6.77	68.4
Maturity group average					104	29	17	7.05	5.41	5.30	3.81	1.21	2.03	1.67	1.00	2.63	8.66	69.2
Entries with anthesis dates greater than 70 days																	
27	CZH0724	CML312/CML442//CZL0713	CIMMYT	Non-QPM Hybrid	117	20	15	7.71	5.78	5.60	4.91	0.87	2.05	1.48	1.18	3.47	8.61	70.7
28	CZH0726	CML312/CZL00001//CZL076	CIMMYT	Non-QPM Hybrid	116	21	16	6.87	5.80	5.70	4.36	1.47	2.79	1.51	1.31	2.23	10.88	70.7
29	CZH0727	CML312/CML443//CZL076	CIMMYT	Non-QPM Hybrid	111	24	17	6.98	5.71	5.85	3.84	0.90	2.23	1.27	1.24	2.36	10.95	71.7
26	CZH0722	CZL0712/CZL0617//CML395	CIMMYT	Non-QPM Hybrid	108	24	16	7.76	5.75	5.06	4.19	0.71	2.34	1.97	1.03	2.59	9.52	71.0
2	WH 403	WH 403	WESTERN SEED	Non-QPM Hybrid	105	27	15	8.61	5.48	5.38	3.89	1.16	1.93	1.49	1.06	2.47	8.71	71.5
8	Pan 63	Pan 63	PANNAR	Non-QPM Hybrid	100	30	19	6.62	6.01	5.46	4.06	0.87	2.19	1.59	0.66	2.59	8.61	70.6
Maturity group average					109	24	16	7.43	5.75	5.51	4.21	1.00	2.26	1.55	1.08	2.62	9.55	71.0
Mean					100	33	16	6.59	5.16	5.00	3.62	1.17	1.94	1.74	0.96	2.63	8.27	**67.4**
LSD (0.05)					12	10	2	0.90	0.49	0.68	0.49	0.68	0.52	0.77	0.23	0.86	1.44	**0.6**
Min					74	16	12	4.43	3.68	3.68	2.36	0.67	1.33	0.65	0.49	1.39	4.96	**59.1**
Max					122	53	20	8.61	6.35	5.97	4.91	2.24	2.95	2.51	1.44	4.28	12.48	**71.7**
NumSignificantSites					47	47	47	3	12	5	8	1	4	2	6	1	1	43

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08. Color legened on page 3

TABLE 5B

Entry	Name	Pedigree	Across			Anth Date	Plant Height	Ear Heignt	Ear Position	Lodging		Husk Cover	Ear Rot	GLS	P.sorg	E.turc	Grain	MSV	Ear Aspect	Plant Aspect	PLS
										Root	Stalk										
			%	Avg	StdDev	d	cm	cm	0-1	%	%	%	%	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5
Entries with anthesis dates between 59 and 61 days																					
62	CZH0743	CZL0723/CZL0724//CZL0722	84	46	16	61.4	160.1	71.0	0.42	16.9	11.6	11.1	20.8	1.8	1.8	2.6	2.2	1.8	3.4	3.4	1.0
34	CZH04012	CZL04008/CZL04009//CZL0722	83	47	16	59.1	158.7	65.3	0.40	13.0	14.8	2.6	27.5	2.0	1.8	2.6	2.5	1.4	3.3	3.8	1.0
61	CZH0742	CZL0721/CZL0724//CZL0722	83	48	15	61.2	166.0	68.2	0.39	13.7	12.2	4.7	21.4	1.8	1.9	2.6	2.1	1.9	3.2	3.7	1.0
60	CZH0741	CZL0721/CZL0723//CZL0722	82	48	16	60.2	159.9	67.3	0.40	11.0	13.2	9.8	21.0	1.9	1.9	2.4	2.1	1.3	3.2	3.8	1.0
35	CZH071	CZL04008/CZL04008//CZH0512	84	48	16	59.1	158.7	65.3	0.40	13.0	14.8	2.6	27.5	2.0	1.8	2.6	2.5	1.4	3.3	3.8	1.0
Maturity group average			83	47	16	60.2	160.7	67.4	0.40	13.5	13.3	6.2	23.6	1.9	1.8	2.5	2.3	1.6	3.3	3.7	1.0
Entries with anthesis dates between 62 and 64 days																					
53	CZH0734	CZL03014/CML442//CZL04002	99	34	16	64.5	165.9	71.9	0.41	10.7	8.8	3.8	22.9	1.6	2.1	2.3	1.8	1.3	2.6	2.9	1.0
54	CZH0735	CZL0717/CZL0718//CML509/CML505	96	35	14	63.7	178.0	81.6	0.44	15.4	12.0	4.7	26.7	1.6	1.9	2.4	2.6	1.8	3.0	3.3	1.2
56	CZH0737	CZL0523/CZL0720//CZL0717/CZL0718	95	36	17	62.4	173.0	77.7	0.43	11.6	13.2	4.0	12.9	1.5	1.8	2.3	2.1	1.7	2.7	3.1	1.2
55	CZH0736	CZL04008/CZL0719//CZL0717/CZL0718	86	45	15	61.9	167.9	72.0	0.42	12.8	13.4	8.3	23.2	1.7	1.9	2.4	2.3	1.6	3.1	3.0	1.2
58	CZH0739	CZL0723/CZL0719//CZL0722	83	47	14	61.6	157.8	70.6	0.43	15.1	14.4	5.5	21.8	2.0	1.9	2.6	2.0	1.8	3.3	3.1	1.3
57	CZH0738	CZL0719/CZL0721//CZL0722	78	51	13	61.7	162.8	65.8	0.39	18.3	13.2	7.5	18.4	1.7	1.9	2.6	2.0	1.3	3.2	4.0	1.2
59	CZH0740	CZL0719/CZL0724//CZL0722	74	53	12	62.3	162.0	70.6	0.43	14.5	15.1	3.0	24.9	1.6	1.9	2.7	1.9	1.9	3.2	3.4	1.3
Maturity group average			87	43	14	62.6	166.8	72.9	0.42	14.1	12.9	5.2	21.5	1.7	1.9	2.5	2.1	1.6	3.0	3.3	1.2
Entries with anthesis dates between 65 and 67 days																					
21	CZH0613	CML312/CML440//CZL0610	116	22	18	66.6	176.1	85.1	0.46	7.9	9.4	8.0	19.6	1.6	1.7	2.2	2.8	2.2	2.5	2.2	1.3
49	CZH0524	CML395/CZL0520//CZL00009	114	23	15	66.1	190.9	86.2	0.44	9.1	8.0	9.4	19.5	1.6	1.8	2.0	3.2	1.6	2.7	2.9	1.2
20	CZH0615	CZL00003/CML488//CZL03014	109	24	12	65.5	181.6	81.1	0.43	8.5	12.9	8.5	20.7	1.5	1.9	2.2	2.5	1.3	2.5	3.1	1.2
64	CZH0746	CZL0713/CZL077//CZL03014	103	29	15	66.9	179.8	82.1	0.44	11.1	11.9	7.0	22.5	1.8	1.8	2.2	2.1	1.3	2.5	2.5	1.2
51	CZH0731	CML312/CML442//CZL0715	101	33	16	67.1	187.2	88.5	0.46	5.0	7.6	6.6	21.5	1.6	1.8	2.5	3.0	1.4	2.9	2.3	1.0
52	CZH0732	CZL03014/CML442//CZL0716	100	36	17	65.8	182.8	83.8	0.45	6.1	7.2	6.2	18.7	1.5	1.6	2.6	3.1	1.5	3.0	3.0	1.2
1	WH 105	WH 105	92	39	15	66.7	189.1	81.2	0.41	8.0	10.6	4.1	25.9	1.5	1.8	2.2	2.3	2.4	2.9	3.1	1.2
36	CZH04003	CML312/CML442//CZL04003	90	43	15	66.7	174.2	75.8	0.42	9.8	6.2	4.6	14.4	1.7	1.8	2.2	3.0	2.1	2.8	2.7	1.0
6	Pan 4M-19	Pan 4M-19	84	45	15	66.4	178.4	83.0	0.45	14.1	17.4	6.4	29.9	2.5	1.8	2.9	2.4	3.7	3.0	3.0	1.2
16	SC415	SC415	83	48	16	65.6	169.8	77.3	0.44	14.2	22.7	3.8	19.0	2.7	1.9	2.7	2.3	2.9	3.4	2.4	1.0
37	CZH04002	CML312/CML442//CZL04002	82	48	14	65.1	172.2	77.5	0.43	6.4	10.5	4.7	13.3	1.6	2.1	2.5	1.7	1.2	2.6	2.9	1.2
Maturity group average			98	36	15	66.2	180.2	82.0	0.44	9.1	11.3	6.3	20.5	1.8	1.8	2.4	2.6	2.0	2.8	2.7	1.1
Entries with anthesis dates between 68 and 70 days																					
30	CZH0728	CML312/CML443//CZL0713	122	16	14	69.8	198.7	101.7	0.50	7.1	8.9	5.9	20.0	1.5	1.8	2.2	2.5	2.7	2.6	2.5	1.0
23	CZH0616	CML312/CML443//CZL0610	119	17	15	68.2	184.4	90.7	0.48	8.8	14.0	9.2	17.0	1.5	1.6	1.9	2.7	2.1	2.5	2.4	1.3
31	CZH0724	CML312/CML442//CZL0713	117	18	15	70.3	200.7	100.7	0.49	7.3	9.1	2.4	30.6	2.2	1.8	2.7	3.9	2.1	2.8	2.9	1.0
19	AFG4663	AFG4663	119	19	17	70.0	184.5	87.6	0.46	5.6	11.2	11.0	31.1	1.6	1.7	2.3	3.2	2.9	2.7	2.4	1.0
4	013WH29	013WH29	113	20	15	69.4	198.3	107.4	0.54	7.5	15.2	3.0	28.6	1.6	1.7	2.1	3.1	1.9	2.5	3.0	1.0
44	CZH0536	CZL0517/CZL04021//CML181	112	21	14	69.7	200.3	98.7	0.49	5.7	12.0	16.4	22.0	1.4	1.9	2.0	3.1	3.4	3.1	2.8	1.7
24	CZH0610	CML312/CML444//CML445/CML488	113	22	16	69.3	194.0	98.2	0.50	14.2	9.2	6.3	19.5	1.7	1.8	2.2	2.7	2.8	2.7	2.8	1.3
7	Pan 53	Pan 53	110	23	19	70.3	206.0	96.8	0.47	8.9	9.0	5.1	26.9	1.7	1.7	2.1	2.7	1.8	2.4	3.0	1.0
18	AFG4611	AFG4611	113	24	19	68.5	186.7	85.8	0.45	8.5	12.3	4.6	31.8	1.4	1.6	1.8	3.5	2.0	3.2	2.8	1.0
25	CZH0720	CZL0710/CZL0711//CZL02012	111	24	15	68.3	184.3	85.0	0.45	10.2	9.5	6.8	24.1	1.4	1.8	2.0	2.7	1.5	2.7	3.2	1.0
32	CZH0729	CML312/CZL00001//CZL0713	108	24	16	69.7	197.5	99.3	0.50	4.9	7.4	2.0	26.6	1.9	2.1	2.5	3.0	3.1	3.1	2.1	1.0
48	CZH0535	CML444/CML395//CZL0514	110	24	15	68.5	194.5	92.9	0.47	7.3	10.0	6.2	26.4	2.0	1.7	2.0	3.7	1.1	2.8	2.6	1.0
33	CZH0727	CML312/CML443//CZL076	112	25	17	69.4	198.9	98.7	0.49	16.6	13.7	6.3	24.0	1.5	1.7	2.1	2.5	3.0	2.9	3.4	1.0
22	CZH01008	CML443/CML444//CZL00003	107	25	16	69.7	206.2	105.1	0.50	5.3	9.4	4.0	31.4	1.5	1.8	2.5	3.2	2.0	2.8	3.1	1.0
45	CZH0521	CZL0517/CZL04021//CML181/CZL01005	108	25	19	70.0	197.4	101.2	0.50	10.4	10.0	14.9	25.8	1.5	1.8	2.1	2.9	3.7	3.2	3.0	1.2
46	CZH03005	CML395/CML444//CML508	109	26	16	67.7	187.9	90.3	0.48	4.2	4.8	4.0	18.8	1.8	1.7	2.5	2.8	1.9	2.6	2.5	1.0
38	CZH04032	CML181/CZL01005//CML511	108	27	16	68.9	191.8	94.3	0.48	5.2	4.5	8.9	23.7	1.5	2.0	1.9	2.7	3.9	3.0	2.2	1.5
42	CZH04005	CML395/CML444//CML509/CML505	103	29	14	68.6	188.0	96.5	0.51	5.7	13.7	2.8	22.7	1.8	1.7	2.4	2.8	1.6	2.9	2.5	1.0
47	CZH0526	CML312/CML395//CZL0521	105	29	17	69.5	201.0	98.4	0.49	8.7	10.0	3.1	25.2	1.4	2.0	2.1	1.7	2.1	2.3	2.5	1.0
43	CZH0530	CML312/CML504//CML488	102	33	19	68.8	190.9	89.0	0.45	8.6	10.8	4.1	15.3	1.8	2.0	2.0	2.3	2.4	2.3	2.4	1.0
15	SC531	SC531	99	33	17	67.8	192.7	93.0	0.47	13.8	9.2	5.1	30.9	1.5	1.6	2.6	2.2	1.9	2.8	2.7	1.0
3	WH002	WH002	100	33	17	68.8	192.7	90.8	0.46	4.0	5.0	6.7	18.5	1.5	1.8	2.0	3.1	2.0	2.8	3.1	1.0
11	ZMS 526	ZMS 526	99	33	17	70.3	200.3	97.6	0.48	14.6	19.3	3.1	22.3	1.5	1.6	2.6	2.3	1.6	2.6	3.2	1.0
10	Pan 7M-97	Pan 7M-97	98	33	19	68.9	192.7	94.1	0.48	10.6	12.6	6.3	29.0	1.4	1.7	2.2	3.5	3.2	2.8	3.9	1.5
63	CZH0744	CZL03014/CML442//CZL0512	103	34	18	67.9	181.3	88.2	0.47	9.6	8.0	1.8	14.3	2.0	1.9	2.2	2.5	1.3	2.7	2.2	1.0
41	CZH066	CML144/CZL067//CML511	97	34	16	70.3	194.8	92.6	0.46	10.0	13.9	5.3	18.3	2.0	2.0	2.1	1.8	2.3	2.7	2.7	1.0
12	ZMS 508	ZMS 508	97	35	16	69.6	201.5	101.0	0.49	7.3	7.9	3.0	32.4	1.4	1.9	2.3	2.8	1.4	3.2	3.2	1.2
5	013WH30	013WH30	95	35	19	68.8	191.3	98.9	0.50	19.3	21.2	7.7	51.0	2.2	1.8	2.1	3.4	4.0	3.2	3.2	1.2
39	CZH065	CML144/CZL067//CML181	98	35	14	68.0	186.1	88.4	0.45	16.4	15.8	12.4	30.5	2.2	1.9	2.0	2.7	3.5	2.9	2.5	1.7
14	30D79	30D79	92	37	20	70.4	198.2	97.3	0.48	8.1	8.6	1.2	22.6	1.4	1.8	2.1	2.9	2.4	2.8	3.1	1.0
40	CZH064	CML144/CML159//CZL066	96	37	16	69.9	187.7	91.5	0.47	10.6	23.9	3.4	13.8	1.6	1.8	2.2	1.8	2.2	2.6	4.4	1.2
13	30G97	30G97	94	38	18	70.2	193.3	96.1	0.49	9.4	8.3	2.5	28.2	1.3	1.6	2.2	2.9	3.6	3.1	3.0	1.3
65	Local Check	Local Check	90	39	19	69.4	194.5	93.2	0.46	13.5	13.4	7.4	29.7	1.5	1.8	2.2	2.8	2.6	2.4	2.7	1.5
50	CZH0730	CML509/CML505//CZL0714	93	40	15	67.6	176.3	85.4	0.47	10.7	13.8	7.1	13.2	1.6	1.7	2.4	2.9	2.3	3.0	2.9	1.2
9	Pan 77	Pan 77	93	41	17	69.2	188.6	92.7	0.48	14.3	17.7	14.7	37.0	2.0	1.8	2.5	2.7	2.2	3.0	3.5	1.2
17	SC411	SC411	79	50	13	68.4	188.6	95.7	0.50	13.3	13.7	17.5	49.7	1.5	1.8	2.1	3.7	1.9	3.5	3.3	1.0
Maturity group average			104	29	17	69.2	193.1	94.9	0.48	9.6	11.6	6.4	25.9	1.6	1.8	2.2	2.8	2.4	2.8	2.9	1.1
Entries with anthesis dates greater than 70 days																					
27	CZH0724	CML312/CML442//CZL0713	117	20	15	70.7	197.4	93.5	0.46	7.0	12.4	3.6	22.7	1.7	1.7	2.1	3.1	2.1	2.5	3.1	1.0
28	CZH0726	CML312/CZL00001//CZL076	116	21	16	70.7	206.6	100.3	0.48	7.2	8.2	3.4	24.6	1.5	1.7	2.1	2.7	2.6	2.8	3.0	1.0
29	CZH0727	CML312/CML443//CZL076	111	24	17	71.7	205.7	100.5	0.48	9.8	13.0	8.4	26.8	1.2	1.5	2.0	2.3	2.7	2.5	2.6	1.0
26	CZH0722	CZL0712/CZL0617//CML395	108	24	16	71.0	196.5	95.7	0.48	5.6	16.1	3.0	28.5	1.5	1.9	2.1	2.6	1.5	2.5	2.1	1.0
2	WH 403	WH 403	105	27	15	71.5	202.3	98.1	0.48	12.8	8.5	8.3	22.8	1.6	1.7	2.0	2.7	2.5	2.6	2.8	1.0
8	Pan 63	Pan 63	100	30	19	70.6	195.2	97.4	0.49	9.2	11.0	9.8	25.2	1.8	2.0	2.4	2.6	2.1	3.0	3.0	1.2
Maturity group average			109	24	16	71.0	200.6	97.6	0.48	8.6	11.5	6.1	25.1	1.6	1.7	2.1	2.7	2.3	2.7	2.8	1.0
Mean			100	33	16	**67.4**	**186.3**	**88.4**	**0.46**	**10.2**	**11.8**	**6.2**	**24.2**	**1.7**	**1.8**	**2.3**	**2.6**	**2.2**	**2.9**	**2.9**	**1.1**
LSD (0.05)			12	10	2	**0.6**	**4.0**	**3.2**	**0.02**	**5.1**	**6.0**	**4.8**	**8.7**	**0.2**	**0.2**	**0.2**	**0.2**	**0.6**	**0.3**	**0.8**	**0.4**
Min			74	16	12	**59.1**	**157.0**	**65.0**	**0.39**	**4.0**	**4.5**	**1.2**	**12.9**	**1.2**	**1.5**	**1.8**	**1.7**	**1.1**	**2.3**	**2.1**	**1.0**
Max			122	53	20	**71.7**	**206.6**	**107.4**	**0.54**	**19.3**	**23.9**	**17.5**	**51.0**	**2.7**	**2.1**	**2.9**	**3.9**	**4.0**	**3.5**	**4.4**	**1.7**
NumSignificantSites			47	47	47	43	34	35	30	7	8	5	2	7	7	13	17	2	12	2	1

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08. Color Legend on page 3

TABLE 6A

								Agro-ecological Zone: Southern Africa									
								Mid-Alt.	Mid-Alt. Hunid		**Mid-Alt.**	**Lowland**	Managed Stress				
Entry	Name	Pedigree	Origin	Comments	Across			E. Africa	Wet	Warm	Dry	Dry	Drought	Low N	Low pH	MSV	Anth
					RelGY	Rank			A	B	C	E					Date
					%	Avg	StdDev	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	d
Entries with anthesis dates between 72 and 74 days																	
18	CZH0623	CML444/CZL00003//CZL03014	CIMMYT	Non-QPM Hybrid	112	15	10	4.47	6.92	4.39	5.22	2.34	1.84	1.14	2.98	9.67	73.8
26	CZH055	CML312/CML444//CZL04006	CIMMYT	Non-QPM Hybrid	112	15	11	5.38	7.05	3.80	5.27	1.47	1.46	1.12	3.37	9.62	74.1
22	CZH059	CML442/CML445//CZL052	CIMMYT	Non-QPM Hybrid	101	20	11	3.75	6.37	4.30	4.67	1.63	1.45	0.98	3.45	10.37	72.5
19	CZH054	CML312/CML443//CZL052	CIMMYT	Non-QPM Hybrid	98	22	10	4.46	6.13	4.12	4.36	1.55	1.26	1.15	3.16	9.01	73.1
29	CZH073	CZL071/CZL072//CZL073	CIMMYT	Non-QPM Hybrid	92	25	11	3.61	6.18	3.34	4.29	0.81	1.33	1.01	2.21	9.23	74.0
Maturity group average								4.33	6.53	3.99	4.76	1.56	1.47	1.08	3.03	9.58	73.5
Entries with anthesis dates between 75 and 77 days																	
1	PRESTINE EV1	PRESTINE EV1	PRESTINE	Non-QPM Hybrid	114	12	8	4.96	7.21	4.24	5.21	2.29	1.20	1.36	2.92	9.32	74.6
34	CZH079	CML488/CML395//CZL076	CIMMYT	Non-QPM Hybrid	116	12	9	5.80	6.54	4.73	5.19	2.30	1.61	1.22	3.51	9.71	77.2
36	CZH0713	CML489/CML444//CZL0617	CIMMYT	Non-QPM Hybrid	113	13	10	5.53	6.96	4.58	4.88	1.75	1.68	1.19	1.97	10.20	76.5
5	ZMS 623	ZMS 623	ZAMSEED	Non-QPM Hybrid	111	14	8	5.31	6.94	4.43	4.89	2.17	1.84	1.04	3.17	9.05	76.7
23	CZH0511	CML444/CML445//CZL054	CIMMYT	Non-QPM Hybrid	111	15	10	4.85	7.00	4.50	4.99	1.80	1.90	1.19	2.66	8.44	76.0
25	CZH0625	CML395/CML444//CZL0617	CIMMYT	Non-QPM Hybrid	108	16	10	6.45	6.65	4.34	4.97	1.88	1.24	1.09	2.96	10.91	76.2
2	PRESTINE EV2	PRESTINE EV2	PRESTINE	Non-QPM Hybrid	106	16	11	4.65	7.05	3.95	4.59	1.66	1.23	1.31	3.00	10.16	74.9
8	ZMS 720	ZMS 720	ZAMSEED	Non-QPM Hybrid	104	18	13	4.74	6.43	4.54	4.51	1.91	1.44	0.97	3.91	12.47	76.4
6	ZMS 638	ZMS 638	ZAMSEED	Non-QPM Hybrid	101	18	10	5.07	6.59	4.38	4.49	1.90	0.82	0.83	3.73	10.46	76.7
20	CZH0631	CML444/CML395//CZL0619	CIMMYT	Non-QPM Hybrid	103	19	11	5.11	6.77	4.45	4.72	1.60	1.25	0.97	2.90	8.37	74.6
31	CZH075	CML444/CZL00003//CZL0617	CIMMYT	Non-QPM Hybrid	101	19	10	5.04	6.57	4.20	4.69	1.59	1.09	1.15	3.15	8.63	76.3
32	CZH076	CML444/CZL00003//CZL074	CIMMYT	Non-QPM Hybrid	100	20	11	5.15	6.48	4.30	3.88	1.86	1.42	1.03	3.30	8.78	77.4
21	CZH04007	CML489/CML444//CZL04006	CIMMYT	Non-QPM Hybrid	104	20	10	4.89	6.23	4.09	4.50	3.10	1.46	0.82	3.31	8.90	74.6
24	CZH04008	CML444/CML395//CZL04007	CIMMYT	Non-QPM Hybrid	103	20	11	4.63	6.49	4.52	4.48	1.49	1.77	1.01	2.21	9.84	76.4
17	SC721	SC721	SEEDCO	Non-QPM Hybrid	101	21	14	6.52	6.44	4.31	4.26	2.00	0.83	0.76	3.55	8.46	77.3
27	CZH056	CML312/CML444//CML489	CIMMYT	Non-QPM Hybrid	100	21	11	4.19	6.28	4.58	4.35	1.55	1.16	1.04	2.30	9.43	76.0
11	WH 505	WH 505	WESTERN SEED	Non-QPM Hybrid	98	21	12	4.78	6.30	4.24	4.94	1.99	0.82	0.96	1.91	9.65	77.1
39	CZH0625	CML444/CML395//CZL0617	CIMMYT	Non-QPM Hybrid	100	21	10	4.10	6.34	4.10	4.24	2.23	1.26	1.19	2.81	9.78	75.8
30	CZH074	CML488/CML395//CZL0617	CIMMYT	Non-QPM Hybrid	98	21	12	5.08	6.11	4.56	4.24	1.59	1.25	1.11	2.99	8.56	76.0
35	CZH0711	CML488/CML395//CZL04006	CIMMYT	Non-QPM Hybrid	103	22	13	4.45	5.59	4.12	4.92	2.10	1.61	1.15	3.43	7.56	75.0
7	ZMS 652	ZMS 652	ZAMSEED	Non-QPM Hybrid	96	22	12	4.81	6.71	3.39	4.45	1.46	1.35	0.90	3.74	9.18	75.0
15	SC637	SC637	SEEDCO	Non-QPM Hybrid	97	23	11	4.42	6.47	4.02	4.17	1.93	1.01	0.87	3.53	8.65	76.7
28	CZH052	CML312/CML444//CZL03007	CIMMYT	Non-QPM Hybrid	97	24	9	4.42	6.36	3.89	4.51	1.28	1.25	1.08	2.49	9.90	74.5
13	30G19	30G19	PIONEER	Non-QPM Hybrid	94	26	9	4.83	6.18	4.22	4.07	1.17	1.19	1.10	2.58	7.09	75.6
14	SC635	SC635	SEEDCO	Non-QPM Hybrid	91	28	11	4.36	5.60	3.75	3.83	2.07	1.18	0.83	3.66	8.46	75.0
42	Local Check	Local Check	Various	Various	91	29	11	5.24	5.95	3.68	3.61	1.26	1.87	0.97	2.75	7.88	74.8
38	CZH0715	CML488/CML444//CZL078	CIMMYT	Non-QPM Hybrid	68	38	6	1.72	4.29	3.02	2.92	1.38	1.49	0.58	2.01	6.89	76.1
Maturity group average								4.85	6.39	4.19	4.46	1.83	1.34	1.03	2.98	9.14	75.9
Entries with anthesis dates between 78 and 80 days																	
16	SC719	SC719	SEEDCO	Non-QPM Hybrid	108	16	13	5.02	6.86	4.77	5.21	1.44	1.09	1.04	4.11	9.78	79.2
33	CZH078	CML202/CML395//CZL076	CIMMYT	Non-QPM Hybrid	108	18	13	5.26	6.19	4.50	5.38	1.34	1.60	0.82	3.89	9.77	77.5
40	CZH078	CML202/CML395//CZL076	CIMMYT	Non-QPM Hybrid	100	20	9	5.20	6.74	4.36	4.78	1.30	0.91	0.89	3.17	9.12	78.6
10	WH 504	WH 504	WESTERN SEED	Non-QPM Hybrid	101	21	11	3.96	6.37	4.59	4.72	1.30	1.80	0.98	3.04	8.44	77.5
3	Pan 8M-91	Pan 8M-91	PANNAR	Non-QPM Hybrid	97	22	12	5.34	6.83	4.54	3.86	1.64	1.05	0.90	3.22	7.94	77.7
37	CZH0714	CML489/CML444//CZL077	CIMMYT	Non-QPM Hybrid	94	24	11	4.82	6.10	4.10	4.92	1.37	0.97	0.86	2.09	8.73	77.7
4	ZMS 602	ZMS 602	ZAMSEED	Non-QPM Hybrid	95	25	11	4.70	6.61	3.82	4.13	1.12	1.47	0.82	4.20	4.82	77.8
9	WH 302	WH 302	WESTERN SEED	Non-QPM Hybrid	85	31	10	3.25	5.63	3.61	3.78	1.74	0.91	0.83	2.56	9.80	78.8
12	30V53	30V53	PIONEER	Non-QPM Hybrid	79	33	8	4.39	5.35	3.35	3.74	1.38	0.77	0.82	2.02	7.01	77.5
Maturity group average								4.66	6.30	4.18	4.50	1.40	1.18	0.89	3.14	8.38	78.0
Entries with anthesis dates greater than 80 days																	
41	CZH0716	CZL0613/CZL0616//CML159	CIMMYT	QPM Hybrid	40	42	1	1.67	3.02	2.29	1.54	0.32	0.27	0.37	0.97	3.73	81.5
Maturity group average								1.67	3.02	2.29	1.54	0.32	0.27	0.37	0.97	3.73	81.5
Mean					99	21	10	4.68	6.31	4.12	4.44	1.67	1.30	0.99	2.97	8.90	**76.2**
LSD (0.05)					13	6	2	1.03	0.61	0.63	0.49	0.72	4.78	0.22	1.02	3.07	**0.5**
Min					40	12	1	1.67	3.02	2.29	1.54	0.32	0.27	0.37	0.97	3.73	**72.5**
Max					116	42	14	6.52	7.21	4.77	5.38	3.10	1.90	1.36	4.20	12.47	**81.5**
NumSignificantSites					36	36	36	2	9	5	7	2	3	3	1	1	33

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08. Color Legend on page 10

TABLE 6B

Entry	Name	Pedigree	Origin	Comments	Across			Anth	Plant	Ear	Ear	Lodging		Husk	Ear	GLS	P.sorg	E.turc	Grain	MSV	Ear	Plant
					RelGY	Rank		Date	Height	Height	Position	Root	Stem	Cover	Rot				Text		Aspect	Aspect
					%	Avg	StdDev	d	cm	cm	0-1	%	%	%	%	1-5	1-5	1-5	1-5	1-5	1-5	1-5
Entries with anthesis dates between 72 and 74 days																						
18	CZH0623	CML444/CZL00003//CZL03014	CIMMYT	Non-QPM Hybrid	112	15	10	73.8	196.8	93.0	0.45	9.7	9.4	11.6	3.6	1.6	2.2	2.5	2.7	2.1	2.8	2.5
26	CZH055	CML312/CML444//CZL04006	CIMMYT	Non-QPM Hybrid	112	15	11	74.1	200.4	96.5	0.47	12.5	10.5	15.4	4.6	1.8	2.1	2.4	2.9	2.8	3.2	3.1
22	CZH059	CML442/CML445//CZL052	CIMMYT	Non-QPM Hybrid	101	20	11	72.5	180.5	85.0	0.46	36.5	14.0	5.4	3.0	1.6	2.1	2.8	3.3	2.6	3.4	2.9
19	CZH054	CML312/CML443//CZL052	CIMMYT	Non-QPM Hybrid	98	22	10	73.1	184.2	91.9	0.49	29.5	15.9	5.9	3.5	1.7	2.1	2.4	2.1	3.2	2.9	2.7
29	CZH073	CZL071/CZL072//CZL073	CIMMYT	Non-QPM Hybrid	92	25	11	74.0	186.1	83.4	0.43	24.3	7.0	23.1	6.0	2.3	2.1	2.4	2.5	3.4	3.4	2.6
Maturity group average								73.5	189.6	90.0	0.46	22.5	11.4	12.3	4.2	1.8	2.1	2.5	2.7	2.8	3.2	2.8
Entries with anthesis dates between 75 and 77 days																						
1	PRESTINE EV1	PRESTINE EV1	PRESTINE	Non-QPM Hybrid	114	12	8	74.6	196.5	101.0	0.50	8.8	6.3	11.4	3.1	1.8	2.2	2.3	2.5	2.6	3.0	2.5
34	CZH079	CML488/CML395//CZL076	CIMMYT	Non-QPM Hybrid	116	12	9	77.2	197.0	95.1	0.47	16.8	8.5	8.0	2.8	1.6	1.9	2.1	1.8	3.4	2.7	2.5
36	CZH0713	CML489/CML444//CZL0617	CIMMYT	Non-QPM Hybrid	113	13	10	76.5	193.7	95.8	0.48	12.8	7.9	8.4	3.0	2.1	2.1	2.3	2.8	3.0	2.9	2.2
5	ZMS 623	ZMS 623	ZAMSEED	Non-QPM Hybrid	111	14	8	76.7	215.6	114.1	0.51	21.3	7.3	11.0	4.2	1.7	2.0	2.5	3.0	2.0	2.9	2.5
23	CZH0511	CML444/CML445//CZL054	CIMMYT	Non-QPM Hybrid	111	15	10	76.0	188.0	90.0	0.46	24.9	10.1	16.1	4.1	2.4	1.7	2.1	3.1	2.9	3.1	2.8
25	CZH0625	CML395/CML444//CZL0617	CIMMYT	Non-QPM Hybrid	108	16	10	76.2	202.3	96.7	0.46	14.2	7.3	13.2	3.3	2.0	2.0	2.4	2.5	3.3	2.8	2.4
2	PRESTINE EV2	PRESTINE EV2	PRESTINE	Non-QPM Hybrid	106	16	11	74.9	190.3	90.9	0.47	19.8	10.3	11.3	5.5	1.9	2.1	2.3	2.8	2.3	2.8	2.6
8	ZMS 720	ZMS 720	ZAMSEED	Non-QPM Hybrid	104	18	13	76.4	212.5	112.6	0.52	27.4	5.2	14.6	4.2	1.8	1.7	2.8	2.9	1.7	2.8	2.3
6	ZMS 638	ZMS 638	ZAMSEED	Non-QPM Hybrid	101	18	10	76.7	215.8	113.9	0.52	19.5	8.5	12.9	5.4	1.7	1.9	2.6	2.9	2.1	2.9	2.4
20	CZH0631	CML444/CML395//CZL0619	CIMMYT	Non-QPM Hybrid	103	19	11	74.6	196.6	102.6	0.50	11.3	7.8	10.0	5.6	1.7	1.8	2.3	3.1	2.8	3.3	2.6
31	CZH075	CML444/CZL00003//CZL0617	CIMMYT	Non-QPM Hybrid	101	19	10	76.3	202.9	97.2	0.46	12.1	5.7	15.4	3.8	2.0	2.0	2.4	2.6	3.3	3.0	2.7
32	CZH076	CML444/CZL00003//CZL074	CIMMYT	Non-QPM Hybrid	100	20	11	77.4	201.1	104.7	0.50	18.7	10.4	21.0	3.9	1.5	2.1	2.3	2.4	3.0	3.3	2.5
21	CZH04007	CML489/CML444//CZL04006	CIMMYT	Non-QPM Hybrid	104	20	10	74.6	194.7	95.4	0.47	19.4	11.8	18.1	3.8	1.9	2.2	2.4	2.8	2.6	3.5	2.9
24	CZH04008	CML444/CML395//CZL04007	CIMMYT	Non-QPM Hybrid	103	20	11	76.4	193.4	94.5	0.48	20.2	6.5	8.4	5.4	1.7	2.1	2.3	2.5	3.3	2.9	2.2
17	SC721	SC721	SEEDCO	Non-QPM Hybrid	101	21	14	77.3	205.6	105.7	0.50	16.3	8.7	18.7	5.4	1.5	2.1	2.4	3.0	3.5	3.1	2.3
27	CZH056	CML312/CML444//CML489	CIMMYT	Non-QPM Hybrid	100	21	11	76.0	198.9	95.9	0.47	18.5	7.6	5.6	3.4	2.1	1.9	2.2	2.9	3.5	2.9	2.4
11	WH 505	WH 505	WESTERN SEED	Non-QPM Hybrid	98	21	12	77.1	201.6	96.5	0.46	12.9	7.2	13.6	3.6	2.1	2.1	2.6	2.9	3.5	3.2	2.5
39	CZH0625	CML444/CML395//CZL0617	CIMMYT	Non-QPM Hybrid	100	21	10	75.8	191.6	95.7	0.47	17.0	7.3	10.0	4.7	2.1	2.2	2.6	2.3	2.9	3.2	2.7
30	CZH074	CML488/CML395//CZL0617	CIMMYT	Non-QPM Hybrid	98	21	12	76.0	193.8	92.7	0.46	16.2	8.0	10.3	4.7	2.0	1.8	2.4	1.9	2.7	2.9	2.2
35	CZH0711	CML488/CML395//CZL04006	CIMMYT	Non-QPM Hybrid	103	22	13	75.0	191.6	94.5	0.48	14.2	9.5	6.7	1.8	1.5	1.9	2.7	2.1	2.4	3.0	2.8
7	ZMS 652	ZMS 652	ZAMSEED	Non-QPM Hybrid	96	22	12	75.0	219.3	110.4	0.48	24.4	5.0	20.1	5.8	1.8	2.2	2.2	2.6	3.0	3.1	2.3
15	SC637	SC637	SEEDCO	Non-QPM Hybrid	97	23	11	76.7	208.0	106.1	0.49	18.0	6.3	11.5	6.0	2.1	2.0	2.3	2.5	3.1	2.9	2.3
28	CZH052	CML312/CML444//CZL03007	CIMMYT	Non-QPM Hybrid	97	24	9	74.5	195.7	94.6	0.47	33.9	13.7	12.4	3.9	1.4	2.0	2.1	2.0	3.1	2.9	2.8
13	30G19	30G19	PIONEER	Non-QPM Hybrid	94	26	9	75.6	207.2	97.9	0.46	16.3	8.4	7.3	4.9	1.5	2.2	2.0	2.4	2.3	2.7	2.1
14	SC635	SC635	SEEDCO	Non-QPM Hybrid	91	28	11	75.0	193.3	94.9	0.47	13.4	10.5	22.2	8.0	2.0	2.2	2.7	3.8	3.6	3.4	2.9
42	Local Check	Local Check	Various	Various	91	29	11	74.8	192.6	95.5	0.48	24.5	12.9	9.8	4.8	1.9	2.0	2.2	2.2	2.3	2.8	2.1
38	CZH0715	CML488/CML444//CZL078	CIMMYT	Non-QPM Hybrid	68	38	6	76.1	177.7	89.7	0.49	32.6	16.6	4.9	7.0	1.8	2.3	3.1	2.3	2.5	3.8	3.7
Maturity group average								75.9	199.2	99.1	0.48	18.7	8.7	12.3	4.5	1.8	2.0	2.4	2.6	2.8	3.0	2.5
Entries with anthesis dates between 78 and 80 days																						
16	SC719	SC719	SEEDCO	Non-QPM Hybrid	108	16	13	79.2	221.8	119.6	0.52	18.4	7.9	9.1	6.3	1.6	2.0	2.3	3.3	2.9	2.5	2.5
33	CZH078	CML202/CML395//CZL076	CIMMYT	Non-QPM Hybrid	108	18	13	77.5	206.0	102.2	0.48	13.9	8.1	10.4	3.0	1.5	1.7	1.8	1.8	2.9	2.8	2.4
40	CZH078	CML202/CML395//CZL076	CIMMYT	Non-QPM Hybrid	100	20	9	78.6	205.0	103.6	0.49	20.0	8.6	8.1	3.4	1.6	2.0	2.1	2.0	2.4	2.6	2.6
10	WH 504	WH 504	WESTERN SEED	Non-QPM Hybrid	101	21	11	77.5	198.6	99.7	0.49	19.7	6.9	11.9	4.1	2.1	2.0	2.7	3.2	3.2	3.4	3.0
3	Pan 8M-91	Pan 8M-91	PANNAR	Non-QPM Hybrid	97	22	12	77.7	202.0	106.1	0.52	13.5	8.5	7.5	3.7	1.8	2.0	2.2	3.6	3.1	2.6	2.3
37	CZH0714	CML489/CML444//CZL077	CIMMYT	Non-QPM Hybrid	94	24	11	77.7	199.1	101.6	0.50	22.2	6.8	10.8	4.3	1.7	2.3	2.4	1.9	2.0	2.8	2.7
4	ZMS 602	ZMS 602	ZAMSEED	Non-QPM Hybrid	95	25	11	77.8	206.6	107.4	0.50	22.8	10.3	13.9	4.9	1.7	2.2	2.6	3.6	2.2	3.1	2.5
9	WH 302	WH 302	WESTERN SEED	Non-QPM Hybrid	85	31	10	78.8	205.0	105.9	0.51	15.1	11.9	14.2	4.3	2.4	2.2	2.3	3.2	2.0	3.2	2.9
12	30V53	30V53	PIONEER	Non-QPM Hybrid	79	33	8	77.5	212.8	111.1	0.50	20.7	9.9	2.0	5.4	1.5	1.8	2.6	2.5	3.6	2.8	2.9
Maturity group average								78.0	206.3	106.3	0.50	18.5	8.8	9.8	4.4	1.8	2.0	2.3	2.8	2.7	2.8	2.6
Entries with anthesis dates greater than 80 days																						
41	CZH0716	CZL0613/CZL0616//CML159	CIMMYT	QPM Hybrid	40	42	1	81.5	164.6	79.1	0.46	20.3	14.8	6.4	5.8	3.1	1.8	2.2	1.4	3.4	3.8	3.7
Maturity group average								81.5	164.6	79.1	0.46	20.3	14.8	6.4	5.8	3.1	1.8	2.2	1.4	3.4	3.8	3.7
Mean					99	21	10	**76.2**	**198.7**	**99.1**	**0.48**	**19.2**	**9.2**	**11.6**	**4.5**	**1.8**	**2.0**	**2.4**	**2.6**	**2.8**	**3.0**	**2.6**
LSD (0.05)					13	6	2	**0.5**	**4.4**	**3.5**	**0.01**	**10.2**	**4.2**	**4.9**	**1.9**	**0.3**	**0.2**	**0.2**	**0.2**	**0.9**	**0.3**	**0.4**
Min					40	12	1	**72.5**	**164.6**	**79.1**	**0.43**	**8.8**	**5.0**	**2.0**	**1.8**	**1.4**	**1.7**	**1.8**	**1.4**	**1.7**	**2.5**	**2.1**
Max					116	42	14	**81.5**	**221.8**	**119.6**	**0.52**	**36.5**	**16.6**	**23.1**	**8.0**	**3.1**	**2.3**	**3.1**	**3.8**	**3.6**	**3.8**	**3.7**
NumSignificantSites					36	36	36	33	34	32	23	8	12	6	7	8	3	12	12	1	9	2

6. Individual Site Results

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3C

Grain Yields - Mid Altitude East Africa

Entry	Name	Pedigree	Across			Across		Wad Medani Sud		Melkasa Eth		Rahad Res Sud	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days													
15	VP05118	P401,P402,ZEWAc1F2L/ZEWBc1F2P	94	30	13	7.19	30	6.20	32	8.71	46	6.67	11
16	VP05113	[ZEWAc1F2L/ZEWBc1F2P]-#	94	34	13	7.00	38	6.05	36	10.34	30	4.61	47
23	VP077	(VP047/G16BNSeqC4)F2	98	29	14	6.22	38	6.06	35	7.10	49	5.51	29
10	ZM309	VP047	93	32	13	6.33	44	6.03	37	8.85	45	4.11	49
9	ZEWASR-IR	ZEWASR-IR	81	40	7	6.86	34	6.47	28	8.60	48	5.52	27
14	VP05119	[P401,P402,ZEWBc1F2L/ZEWAc1F2P]-#	97	33	10	7.25	36	5.90	40	10.92	25	4.94	42
11	VP05181	[ZEWBc1F2/99SADVEA-F2]F2-#	98	28	12	8.24	19	6.82	19	10.11	36	7.81	3
13	VP041	VP041-#	103	27	15	6.81	35	5.55	43	8.94	43	5.92	20
12	VP05120	[P401,P402,ZEWAc1F2L/ZEWBc1F2P//P401,P402,ZEWBc1F2L/	99	29	12	7.38	29	7.17	12	9.94	38	5.05	38
43	VP0735	VHTC06AcSyn	104	21	12	7.87	23	6.42	29	10.33	31	6.86	10
21	VP075	(VP041/G16BNSeqC4)F2	89	34	11	6.49	43	5.80	41	8.71	47	4.96	41
Matrurity group average			95	30	12	7.06	34	6.22	32	9.32	40	5.63	29
Entries with anthesis between 67 and 69 days													
42	VP0731	VHTB06DTSyn	94	29	12	7.17	32	6.07	34	9.74	40	5.69	23
24	VP078	(Syn01E2/G16BNSeqC4)F2	102	26	14	6.89	39	6.01	38	9.60	42	5.06	37
27	VP0711	(VP047/DTPWC9)F2	106	23	14	7.15	36	5.46	45	11.00	23	4.99	40
8	Strigoff-216	ECA-STRIGOFF-VE-216	94	31	9	7.42	29	6.93	17	10.04	37	5.30	33
33	VP0717	(Syn01E2/VP047)F2	102	24	14	8.00	25	6.52	26	12.48	11	5.01	39
7	Strigoff-214	ECA-STRIGOFF-VE-214	90	36	12	7.10	34	5.54	44	10.17	33	5.60	25
36	VP0720	(VP047/03SADVI)F2	112	16	11	7.40	31	6.00	39	10.15	35	6.04	18
18	VP0610	[Syn0411]H#-#	100	25	12	8.40	16	7.10	13	10.32	32	7.79	4
19	VP0611	[Syn0412]H#-#	97	28	12	7.24	31	5.64	42	8.86	44	7.22	7
22	VP076	(VP046/G16BNSeqC4)F2	96	28	12	7.31	29	6.70	21	9.63	41	5.60	26
4	ZM421-IR	[ZM421/BULK (AMSECA/465//ZEW(A)-SRF2-B)/ZIM421-	90	32	11	7.56	26	6.11	33	10.46	29	6.11	17
25	VP079	(VP041/DTPWC9)F2	106	19	9	8.09	20	8.46	1	10.17	34	5.63	24
41	VP0730	VHTA06DTSyn	108	17	12	8.87	11	7.59	8	11.67	18	7.35	6
31	VP0715	(VP047/LaPostaSeqC8)F2	106	18	11	8.09	22	6.73	20	12.34	12	5.18	35
17	ZM401	Syn01E2	101	24	12	8.04	21	7.38	11	11.42	21	5.30	32
29	VP0713	(VP041/LaPostaSeqC8)F2	107	20	12	7.63	28	4.94	48	11.57	20	6.37	15
6	Strigoff-210	ECA-STRIGOFF-VE-210	88	34	14	7.60	28	7.04	14	10.86	26	4.89	43
34	VP0718	(VP041/03SADVI)F2	99	24	14	7.40	31	6.65	22	10.93	24	4.63	46
49	Local Check	Local Check	99	27	16	8.41	18	6.29	30	11.78	17	7.15	8
39	VP0728	VHTB06AcSyn	112	13	12	9.45	7	7.49	9	12.50	9	8.37	2
28	VP0712	(Syn01E2/DTPWC9)F2	105	21	12	8.01	28	6.27	31	13.23	4	4.53	48
Matrurity group average			101	24	12	7.77	26	6.52	26	10.90	26	5.89	25
Entries with anthesis dates between 70 and 72 days													
3	ZM423	ZM423-#	106	18	14	8.79	11	7.67	7	13.02	5	5.70	22
1	ZM525	02SADVE-#-#	111	15	13	8.85	14	6.47	27	13.63	2	6.44	14
5	Strigoff-209	ECA-STRIGOFF-VE-209	89	33	13	6.80	40	4.88	49	10.67	28	4.85	44
38	VP0722	(V032/03SADVI)F2	100	25	13	7.98	23	6.58	24	11.95	15	5.41	30
37	VP0721	(Syn01E2/03SADVI)F2	108	17	13	8.99	12	6.56	25	12.83	6	7.58	5
32	VP0716	(Syn01E2/LaPostaSeqC8)F2	107	18	11	8.54	14	7.43	10	11.64	19	6.55	13
40	VP0729	VHTA06AcSyn	118	10	11	8.54	17	8.13	4	12.26	14	5.23	34
26	VP0710	(VP046/DTPWC9)F2	107	17	13	9.11	12	8.20	3	13.82	1	5.31	31
20	VP05191	Syn051	101	23	11	8.50	16	6.64	23	12.49	10	6.36	16
48	07SADVE	07SADVIA/07SADVIB-#	111	15	13	8.86	10	6.97	15	12.69	7	6.90	9
2	ZM523	ZM523-#	103	20	13	8.43	22	6.83	18	13.62	3	4.84	45
47	VP0738	([Obatanpa/IWDC2SYNF2/IWDC2SYNF2]/S99TLWQAB)F2	97	30	14	8.99	15	7.70	6	9.92	39	9.34	1
44	VP0737	([Obatanpa/ZEADIPLOSYNW-1/ZEADIPLOSYNW-	89	31	14	8.56	13	7.84	5	11.28	22	6.57	12
Matrurity group average			104	21	13	8.53	17	7.07	17	12.29	13	6.24	21
Entries with anthesis dates greater than 72 days													
35	VP0719	(VP046/03SADVI)F2	96	25	15	7.50	32	5.14	47	12.27	13	5.09	36
46	VP0736	([Obatanpa/TZLCOMP1SYNW-1/TZLCOMP1SYNW-	88	35	11	7.85	21	6.97	16	10.84	27	5.75	21
30	VP0714	(VP046/LaPostaSeqC8)F2	109	15	13	8.95	10	8.30	2	12.56	8	5.98	19
45	VP0740	([Obatanpa/ZEADIPLOSYNW-1/ZEADIPLOSYNW-	97	28	15	7.63	30	5.43	46	11.94	16	5.52	28
Matrurity group average			98	26	13	7.98	23	6.46	28	11.90	16	5.58	26
Mean			100	25	12	7.83	25	6.59	25	11.00	25	5.90	25
LSD (0.05)			8	7	2	1.08	10	1.75	14	1.71	14	2.13	14
Min			81	10	7	6.22	7	4.88	1	7.10	1	4.11	1
Max			118	40	16	9.45	44	8.46	49	13.82	49	9.34	49
NumSignificantSites			36	36	36	3	3	1		1		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3D

Grain Yields - Mid Altitude Humid Warm (Zone A)

Entry	Name	Across			Across		Mount Makulu Zam		Harare Zim		Chitedze Mal		ART Farm Harare Zim		Africa University Zim		Mpongwe Zam	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days																		
15	VP05118	94	30	13	3.90	38	4.19	25	1.82	47	2.00	46	5.32	25	8.11	16	6.53	45
16	VP05113	94	34	13	3.51	41	3.91	39	1.75	49	2.75	19	3.92	48	8.43	10	5.09	49
23	VP077	98	29	14	3.92	36	3.51	48	2.31	27	2.90	13	4.84	35	7.25	37	7.64	30
10	ZM309	93	32	13	4.01	30	4.20	22	2.29	29	2.56	26	5.50	16	8.25	13	5.84	47
9	ZEWASR-IR	81	40	7	3.82	39	3.93	37	1.85	44	2.39	33	4.46	42	7.45	36	7.45	33
14	VP05119	97	33	10	4.09	33	4.16	26	2.27	32	2.57	25	4.76	38	6.91	43	6.91	40
11	VP05181	98	28	12	4.47	23	4.34	19	2.47	16	2.88	14	5.89	7	8.24	15	7.38	35
13	VP041	103	27	15	4.30	28	4.20	23	2.11	38	3.17	5	5.31	26	7.15	39	6.91	42
12	VP05120	99	29	12	4.21	33	3.79	44	1.97	41	2.47	30	5.37	23	8.24	14	7.15	37
43	VP0735	104	21	12	4.70	20	3.80	43	2.51	14	2.73	21	5.93	4	7.57	30	8.18	20
21	VP075	89	34	11	3.86	39	4.05	32	1.88	43	2.00	45	4.32	44	8.57	8	8.10	24
Matrurity group average		95	30	12	4.07	33	4.01	33	2.11	35	2.58	25	5.06	28	7.83	24	7.02	37
Entries with anthesis between 67 and 69 days																		
42	VP0731	94	29	12	4.07	32	3.92	38	2.41	21	2.62	24	5.32	24	8.87	5	7.33	36
24	VP078	102	26	14	4.15	33	4.23	21	2.17	35	2.23	39	4.68	40	8.27	12	7.80	28
27	VP0711	106	23	14	4.43	24	4.36	18	2.38	22	3.15	7	5.21	28	7.90	21	6.82	43
8	Strigoff-216	94	31	9	4.09	37	3.82	42	2.02	39	2.06	43	4.61	41	6.84	45	7.92	27
33	VP0717	102	24	14	4.63	19	4.75	8	2.43	19	3.45	3	4.97	33	7.49	33	8.12	22
7	Strigoff-214	90	36	12	3.70	42	3.89	40	1.78	48	2.27	37	4.70	39	7.23	38	6.22	46
36	VP0720	112	16	11	4.68	18	4.71	10	2.77	8	2.74	20	5.42	19	9.24	2	8.21	19
18	VP0610	100	25	12	4.14	31	4.12	28	2.42	20	2.71	22	4.81	36	7.46	35	6.94	39
19	VP0611	97	28	12	4.39	28	3.65	46	2.12	36	2.95	10	4.81	37	7.79	24	7.53	31
22	VP076	96	28	12	4.22	29	4.26	20	2.11	37	2.56	27	4.14	47	7.84	23	6.91	41
4	ZM421-IR	90	32	11	3.93	38	3.42	49	2.26	33	2.01	44	4.86	34	7.70	25	7.78	29
25	VP079	106	19	9	4.73	18	4.14	27	2.51	15	2.91	11	5.12	30	7.99	19	8.29	18
41	VP0730	108	17	12	4.88	14	4.97	5	2.60	13	3.63	1	6.38	2	6.86	44	8.31	17
31	VP0715	106	18	11	4.89	17	4.64	11	2.27	30	2.84	17	5.61	15	7.87	22	8.64	12
17	ZM401	101	24	12	4.52	23	4.72	9	2.37	23	2.90	12	5.18	29	7.47	34	9.39	6
29	VP0713	107	20	12	4.82	18	4.62	12	2.61	12	2.41	31	5.23	27	9.00	4	8.86	10
6	Strigoff-210	88	34	14	3.95	37	3.59	47	2.30	28	1.65	48	4.19	46	6.94	42	7.03	38
34	VP0718	99	24	14	4.54	23	3.69	45	2.44	18	2.36	35	5.70	11	8.76	6	8.37	14
49	Local Check	99	27	16	4.83	21	4.59	13	3.10	4	2.41	32	5.82	9	7.59	27	11.28	1
39	VP0728	112	13	12	5.54	7	5.09	2	2.82	7	2.97	9	6.09	3	7.54	31	10.60	2
28	VP0712	105	21	12	4.81	17	4.57	14	2.47	17	2.84	16	5.42	20	7.51	32	8.72	11
Matrurity group average		101	24	12	4.47	25	4.27	24	2.40	23	2.65	23	5.16	27	7.82	25	8.15	23
Entries with anthesis dates between 70 and 72 days																		
3	ZM423	106	18	14	4.86	17	4.45	15	2.36	24	2.12	41	5.86	8	8.46	9	9.05	9
1	ZM525	111	15	13	5.53	6	5.03	3	3.23	1	3.16	6	5.66	13	7.57	29	8.34	16
5	Strigoff-209	89	33	13	4.05	35	4.08	30	1.84	45	2.55	28	4.28	45	7.58	28	8.04	25
38	VP0722	100	25	13	4.56	23	3.83	41	2.88	6	2.38	34	5.44	18	8.37	11	7.52	32
37	VP0721	108	17	13	4.75	18	4.93	6	2.92	5	2.00	47	5.91	6	9.07	3	7.99	26
32	VP0716	107	18	11	4.69	21	3.99	34	2.61	11	2.79	18	5.01	32	6.53	47	9.22	8
40	VP0729	118	10	11	5.79	3	5.10	1	3.13	3	3.42	4	6.71	1	8.03	18	9.83	4
26	VP0710	107	17	13	4.91	18	4.10	29	2.23	34	2.24	38	5.91	5	7.94	20	8.62	13
20	VP05191	101	23	11	4.40	26	4.20	24	2.31	26	2.65	23	5.41	21	7.68	26	5.76	48
48	07SADVE	111	15	13	5.41	8	5.02	4	3.20	2	2.85	15	5.68	12	8.70	7	9.39	5
2	ZM523	103	20	13	4.84	15	4.76	7	2.34	25	2.98	8	5.50	17	7.04	40	8.37	14
47	VP0738	97	30	14	4.13	34	3.93	36	1.82	46	2.34	36	3.73	49	6.96	41	8.16	21
44	VP0737	89	31	14	4.25	31	4.05	31	2.27	31	1.64	49	5.06	31	6.80	46	7.39	34
Matrurity group average		104	21	13	4.78	20	4.42	20	2.55	20	2.55	27	5.40	20	7.75	25	8.28	20
Entries with anthesis dates greater than 72 days																		
35	VP0719	96	25	15	4.88	17	4.45	16	2.77	9	2.13	40	5.81	10	9.33	1	9.35	7
46	VP0736	88	35	11	3.90	39	3.98	35	2.00	40	2.10	42	4.46	43	6.07	49	6.58	44
30	VP0714	109	15	13	5.21	10	4.40	17	2.66	10	3.49	2	5.64	14	8.04	17	10.01	3
45	VP0740	97	28	15	4.87	22	4.04	33	1.94	42	2.52	29	5.38	22	6.43	48	8.10	23
Matrurity group average		98	26	13	4.71	22	4.22	25	2.35	25	2.56	28	5.32	22	7.47	29	8.51	19
Mean		100	25	12	4.48	25	4.25	25	2.37	25	2.60	25	5.21	25	7.77	25	7.96	25
LSD (0.05)		8	7	2	0.50	10	0.79	14	0.53	14	0.85	14	1.14	14	1.77	14	1.97	14
Min		81	10	7	3.51	3	3.42	1	1.75	1	1.64	1	3.73	1	6.07	1	5.09	1
Max		118	40	16	5.79	42	5.10	49	3.23	49	3.63	49	6.71	49	9.33	49	11.28	49
NumSignificantSites		36	36	36	8	8	1		1		1		1		0		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3E

Entry	Name	Across			Grain Yields - Mid Altitude Humid Warm (Zone A)								Grain Yields - Mid Altitude Humid Hot (Zone B)							
					Across		Gwebi Zim		Zamseed Farm Zam		Harare Zim		Across		Mapupulo Moz		Rattray-Arnold Zim		Weruweru Tan	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days																				
15	VP05118	94	30	13	3.90	38	2.36	45	5.15	44	3.79	25	2.82	32	3.28	38	0.82	48	4.35	10
16	VP05113	94	34	13	3.51	41	2.84	40	5.17	42	2.64	43	3.13	23	4.03	26	0.95	34	4.40	9
23	VP077	98	29	14	3.92	36	2.20	47	5.40	39	2.56	46	2.66	38	3.18	41	0.89	42	3.93	32
10	ZM309	93	32	13	4.01	30	2.90	38	6.16	18	2.65	42	3.12	28	4.84	3	0.90	41	3.63	41
9	ZEWASR-IR	81	40	7	3.82	39	1.93	48	5.76	34	2.78	41	2.71	38	3.39	36	0.83	46	3.91	33
14	VP05119	97	33	10	4.09	33	3.08	35	5.84	31	3.10	37	2.81	35	3.77	31	0.94	35	3.72	39
11	VP05181	98	28	12	4.47	23	3.42	31	5.37	40	4.03	20	3.10	25	4.39	14	0.97	29	3.95	31
13	VP041	103	27	15	4.30	28	2.30	46	5.73	35	4.66	10	2.53	31	2.45	49	1.00	23	4.14	20
12	VP05120	99	29	12	4.21	33	3.35	33	5.90	28	3.70	27	2.61	27	2.63	46	1.03	16	4.15	19
43	VP0735	104	21	12	4.70	20	3.99	16	5.91	27	4.57	11	3.21	17	4.61	7	1.05	13	3.96	30
21	VP075	89	34	11	3.86	39	3.01	36	5.16	43	2.37	48	2.54	41	2.99	42	0.86	45	3.78	37
Matrurity group average		95	30	12	4.07	33	2.85	38	5.59	35	3.35	32	2.84	30	3.60	30	0.93	34	3.99	27
Entries with anthesis between 67 and 69 days																				
42	VP0731	94	29	12	4.07	32	1.86	49	5.93	25	3.13	36	3.08	21	4.61	6	1.03	15	3.59	43
24	VP078	102	26	14	4.15	33	3.88	20	5.66	37	2.56	45	3.05	26	4.19	22	0.98	26	3.98	29
27	VP0711	106	23	14	4.43	24	3.87	21	6.04	22	3.60	28	2.77	26	2.90	45	0.99	25	4.41	8
8	Strigoff-216	94	31	9	4.09	37	2.85	39	5.56	38	3.90	23	3.03	29	4.19	21	0.91	40	3.99	27
33	VP0717	102	24	14	4.63	19	3.98	17	6.87	3	2.46	47	2.45	40	2.51	48	0.93	38	3.91	34
7	Strigoff-214	90	36	12	3.70	42	2.94	37	4.87	48	2.94	39	2.93	35	4.32	16	0.83	47	3.63	42
36	VP0720	112	16	11	4.68	18	3.44	30	6.38	14	3.78	26	3.09	19	4.20	20	1.06	11	4.02	26
18	VP0610	100	25	12	4.14	31	3.94	18	5.11	46	3.08	38	3.00	24	3.92	27	0.99	24	4.09	21
19	VP0611	97	28	12	4.39	28	3.72	26	6.20	17	4.14	18	2.53	43	3.27	39	0.88	43	3.43	48
22	VP076	96	28	12	4.22	29	3.92	19	6.64	8	3.18	35	2.93	24	3.18	40	0.97	30	4.64	3
4	ZM421-IR	90	32	11	3.93	38	2.55	43	5.93	26	2.64	44	2.88	23	3.50	34	1.06	10	4.07	24
25	VP079	106	19	9	4.73	18	4.37	10	6.08	21	4.42	14	3.08	23	4.07	25	0.98	27	4.17	17
41	VP0730	108	17	12	4.88	14	2.75	41	7.15	1	3.24	33	2.74	27	2.94	44	1.00	22	4.27	14
31	VP0715	106	18	11	4.89	17	4.35	11	5.76	33	4.98	8	3.52	6	5.12	2	1.13	5	4.32	12
17	ZM401	101	24	12	4.52	23	3.81	23	5.89	30	1.94	49	3.27	19	4.61	8	0.95	33	4.26	16
29	VP0713	107	20	12	4.82	18	4.26	12	5.89	29	4.72	9	3.15	19	4.83	4	1.10	7	3.53	45
6	Strigoff-210	88	34	14	3.95	37	2.69	42	5.17	41	5.01	7	2.64	43	3.60	33	0.80	49	3.53	46
34	VP0718	99	24	14	4.54	23	4.21	14	6.32	15	3.23	34	3.11	21	4.29	17	1.01	21	4.03	25
49	Local Check	99	27	16	4.83	21	3.51	29	4.35	49	3.54	31	2.85	26	3.81	30	1.28	1	3.46	47
39	VP0728	112	13	12	5.54	7	3.56	28	6.84	4	6.38	2	3.25	13	4.21	19	1.04	14	4.51	5
28	VP0712	105	21	12	4.81	17	3.86	22	6.03	23	4.55	12	3.18	21	4.51	11	0.96	31	4.07	22
Matrurity group average		101	24	12	4.47	25	3.54	26	5.94	25	3.69	28	2.98	25	3.94	24	0.99	25	4.00	26
Entries with anthesis dates between 70 and 72 days																				
3	ZM423	106	18	14	4.86	17	4.68	6	6.50	11	3.87	24	3.37	17	4.77	5	0.92	39	4.43	6
1	ZM525	111	15	13	5.53	6	5.24	4	6.77	7	6.82	1	3.19	14	3.64	32	1.08	8	4.83	2
5	Strigoff-209	89	33	13	4.05	35	2.46	44	4.91	47	4.25	15	3.03	30	4.15	23	0.88	44	4.07	23
38	VP0722	100	25	13	4.56	23	3.76	25	6.47	12	4.22	16	2.86	29	3.37	37	0.93	36	4.27	13
37	VP0721	108	17	13	4.75	18	4.23	13	6.09	20	3.97	21	3.22	11	4.08	24	1.14	3	4.43	7
32	VP0716	107	18	11	4.69	21	3.78	24	6.09	19	4.05	19	3.21	13	4.23	18	1.07	9	4.34	11
40	VP0729	118	10	11	5.79	3	5.52	2	6.84	5	5.79	3	3.59	4	4.58	9	1.18	2	5.01	1
26	VP0710	107	17	13	4.91	18	4.44	9	6.41	13	5.34	6	3.62	4	5.18	1	1.11	6	4.58	4
20	VP05191	101	23	11	4.40	26	3.70	27	5.82	32	5.38	5	2.80	30	3.81	29	1.01	18	3.57	44
48	07SADVE	111	15	13	5.41	8	5.31	3	6.24	16	5.55	4	2.79	21	2.97	43	1.13	4	4.26	15
2	ZM523	103	20	13	4.84	15	4.60	7	6.81	6	3.36	32	3.12	20	4.35	15	1.03	17	3.98	28
47	VP0738	97	30	14	4.13	34	3.10	34	5.72	36	4.21	17	2.75	33	3.48	35	0.97	28	3.79	36
44	VP0737	89	31	14	4.25	31	4.03	15	5.97	24	3.56	30	2.94	26	4.58	10	1.01	20	3.24	49
Matrurity group average		104	21	13	4.78	20	4.22	16	6.20	19	4.64	15	3.11	19	4.09	22	1.04	18	4.22	18
Entries with anthesis dates greater than 72 days																				
35	VP0719	96	25	15	4.88	17	5.11	5	6.53	10	2.87	40	2.45	39	2.63	47	0.96	32	3.77	38
46	VP0736	88	35	11	3.90	39	3.39	32	5.14	45	3.57	29	3.03	30	4.51	12	0.93	37	3.64	40
30	VP0714	109	15	13	5.21	10	4.44	8	7.11	2	3.92	22	2.94	25	3.92	28	1.06	12	3.84	35
45	VP0740	97	28	15	4.87	22	5.83	1	6.56	9	4.54	13	3.22	17	4.49	13	1.01	19	4.17	18
Matrurity group average		98	26	13	4.71	22	4.69	12	6.34	17	3.73	26	2.91	28	3.88	25	0.99	25	3.86	33
Mean		100	25	12	4.48	25	3.66	25	5.96	25	3.87	25	2.98	25	3.90	25	0.99	25	4.04	25
LSD (0.05)		8	7	2	0.50	10	1.62	14	1.15	14	2.24	14	0.51	10	1.34	14	0.16	14	0.74	14
Min		81	10	7	3.51	3	1.86	1	4.35	1	1.94	1	2.45	4	2.45	1	0.80	1	3.24	1
Max		118	40	16	5.79	42	5.83	49	7.15	49	6.82	49	3.62	43	5.18	49	1.28	49	5.01	49
NumSignificantSites		36	36	36	8	8	1		1		1		3	3	1		1		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3F

Grain Yields - Mid-Altitude Dry (Zone C)

Entry	Name	Across			Across		Malkerns Swa		Umbeluzi Moz		Chokwe Moz		Nampula Moz		Ntugo-nmodzi Moz		Baka Mal	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days																		
15	VP05118	94	30	13	3.22	31	5.90	21	3.49	26	0.43	17	3.20	31	1.47	17	6.53	17
16	VP05113	94	34	13	3.33	33	6.56	2	3.56	23	0.32	30	3.24	30	1.43	25	5.65	39
23	VP077	98	29	14	3.36	32	5.97	18	3.60	21	0.52	6	3.12	36	1.39	29	5.81	33
10	ZM309	93	32	13	3.22	35	5.86	24	3.20	37	0.22	42	3.25	28	1.39	28	6.04	30
9	ZEWASR-IR	81	40	7	3.03	38	6.47	3	2.97	43	0.24	40	2.75	45	1.46	20	4.87	47
14	VP05119	97	33	10	3.02	41	5.88	23	3.27	34	0.50	7	3.05	40	1.21	44	5.75	34
11	VP05181	98	28	12	3.21	31	5.46	36	3.29	33	0.47	10	3.95	10	1.49	16	5.11	45
13	VP041	103	27	15	3.34	32	5.96	19	2.88	44	0.36	25	3.57	20	1.30	36	5.72	36
12	VP05120	99	29	12	3.33	33	6.45	4	3.57	22	0.43	16	3.01	41	1.23	43	5.73	35
43	VP0735	104	21	12	3.52	25	6.15	11	3.86	14	0.07	47	3.26	27	1.45	22	6.71	13
21	VP075	89	34	11	3.22	32	6.38	6	3.23	35	0.28	35	3.54	22	0.98	49	3.99	49
Matrurity group average		95	30	12	3.26	33	6.09	15	3.36	30	0.35	25	3.27	30	1.35	30	5.63	34
Entries with anthesis between 67 and 69 days																		
42	VP0731	94	29	12	3.51	28	6.26	8	3.19	38	0.14	44	3.93	12	1.36	30	6.39	20
24	VP078	102	26	14	3.46	28	5.44	37	3.36	30	0.27	36	4.42	3	1.29	37	5.68	38
27	VP0711	106	23	14	3.83	19	5.85	25	2.79	45	0.47	9	3.24	29	1.44	24	5.64	40
8	Strigoff-216	94	31	9	3.36	33	5.41	38	3.56	24	0.31	31	3.11	38	1.27	41	6.56	16
33	VP0717	102	24	14	3.71	23	5.12	46	3.33	31	0.37	23	2.78	44	1.36	32	7.44	3
7	Strigoff-214	90	36	12	2.86	42	6.71	1	3.04	41	0.05	48	3.18	32	1.29	38	4.76	48
36	VP0720	112	16	11	4.00	15	6.07	15	3.80	15	0.14	45	4.08	8	1.46	19	6.45	19
18	VP0610	100	25	12	3.33	27	5.63	31	3.99	11	0.23	41	3.18	33	1.42	26	6.78	10
19	VP0611	97	28	12	3.40	29	5.49	35	3.71	19	0.36	26	3.46	23	1.40	27	6.92	9
22	VP076	96	28	12	3.45	29	5.73	26	3.46	27	0.28	34	3.77	17	1.32	34	6.04	29
4	ZM421-IR	90	32	11	3.29	32	5.69	29	4.01	10	0.42	18	2.30	49	1.50	13	5.69	37
25	VP079	106	19	9	4.09	18	6.06	16	2.79	46	0.26	38	3.84	14	1.31	35	7.11	7
41	VP0730	108	17	12	3.94	15	6.30	7	4.55	2	0.39	22	3.97	9	1.71	2	6.37	23
31	VP0715	106	18	11	3.94	17	4.89	48	4.54	3	0.42	19	3.33	25	1.58	5	7.17	5
17	ZM401	101	24	12	3.62	24	5.35	41	3.19	39	0.26	39	3.35	24	1.35	33	6.27	25
29	VP0713	107	20	12	3.92	17	5.41	39	3.95	13	0.47	12	4.73	1	1.52	10	7.96	2
6	Strigoff-210	88	34	14	3.45	30	5.52	34	3.06	40	0.33	27	2.65	48	1.49	15	5.30	43
34	VP0718	99	24	14	3.88	15	5.53	33	3.53	25	0.57	5	4.46	2	1.80	1	6.56	15
49	Local Check	99	27	16	3.37	34	6.42	5	4.11	7	0.68	2	2.73	46	1.19	46	5.37	42
39	VP0728	112	13	12	3.87	15	6.21	9	4.09	8	0.07	46	4.14	7	1.51	11	7.03	8
28	VP0712	105	21	12	4.09	15	6.08	14	4.41	5	0.36	24	3.58	19	1.44	23	5.63	41
Matrurity group average		101	24	12	3.64	24	5.77	26	3.64	23	0.33	28	3.53	23	1.43	24	6.34	23
Entries with anthesis dates between 70 and 72 days																		
3	ZM423	106	18	14	3.79	19	5.69	30	3.97	12	0.27	37	3.28	26	1.46	21	5.24	44
1	ZM525	111	15	13	3.89	15	5.98	17	3.29	32	0.29	33	4.26	5	1.53	9	6.62	14
5	Strigoff-209	89	33	13	3.33	33	5.89	22	2.59	49	.		2.88	43	1.21	45	6.72	12
38	VP0722	100	25	13	3.81	23	5.05	47	3.46	28	0.46	14	3.17	35	1.36	31	6.75	11
37	VP0721	108	17	13	4.12	11	5.54	32	3.68	20	0.47	11	3.86	13	1.53	8	8.09	1
32	VP0716	107	18	11	4.27	13	6.12	12	4.56	1	0.57	4	3.78	15	1.28	39	6.24	27
40	VP0729	118	10	11	4.39	6	5.73	27	4.36	6	0.73	1	4.22	6	1.49	14	7.29	4
26	VP0710	107	17	13	3.71	20	5.28	44	3.40	29	0.33	28	4.38	4	1.50	12	4.98	46
20	VP05191	101	23	11	3.53	24	5.28	45	3.79	16	0.48	8	3.12	37	1.62	4	6.00	31
48	07SADVE	111	15	13	3.69	19	5.34	42	4.02	9	0.66	3	3.01	42	1.54	7	6.52	18
2	ZM523	103	20	13	3.87	18	5.70	28	3.79	17	0.45	15	3.55	21	1.64	3	6.25	26
47	VP0738	97	30	14	3.61	27	5.30	43	2.69	47	0.30	32	3.75	18	1.15	48	6.38	22
44	VP0737	89	31	14	3.34	30	6.16	10	3.21	36	0.42	20	2.68	47	1.47	18	6.38	21
Matrurity group average		104	21	13	3.79	20	5.62	31	3.60	23	0.45	17	3.53	24	1.44	20	6.42	21
Entries with anthesis dates greater than 72 days																		
35	VP0719	96	25	15	3.72	24	5.37	40	3.71	18	0.41	21	3.08	39	1.27	40	6.20	28
46	VP0736	88	35	11	3.12	38	4.57	49	2.64	48	0.47	13	3.77	16	1.16	47	5.98	32
30	VP0714	109	15	13	4.10	10	5.91	20	4.44	4	0.33	29	3.95	11	1.55	6	7.13	6
45	VP0740	97	28	15	3.71	27	6.12	13	2.98	42	0.17	43	3.17	34	1.27	42	6.27	24
Matrurity group average		98	26	13	3.66	25	5.49	31	3.44	28	0.35	27	3.49	25	1.31	34	6.40	23
Mean		100	25	12	3.60	25	5.78	25	3.55	25	0.37	25	3.47	25	1.40	25	6.21	25
LSD (0.05)		8	7	2	0.43	9	1.36	14	1.09	14	0.36	14	1.06	14	0.30	14	1.78	14
Min		81	10	7	2.86	6	4.57	1	2.59	1	0.05	1	2.30	1	0.98	1	3.99	1
Max		118	40	16	4.39	42	6.71	49	4.56	49	0.73	48	4.73	49	1.80	49	8.09	49
NumSignificantSites		36	36	36	9	9	0		0		0		1		1		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3G

Grain Yields - Mid-Altitude Dry (Zone C)

Entry	Name	Across			Across		Bolero Mal		Kadoma Zim		Makaholi Zim		Kadoma Zim		Afsf-Arusha Tan		Sari Tan	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days																		
15	VP05118	94	30	13	3.22	31	1.87	41	3.91	20	0.04	28	3.68	33	1.53	49	4.60	40
16	VP05113	94	34	13	3.33	33	5.04	1	3.87	22	0.06	11	2.89	47	2.17	41	6.78	10
23	VP077	98	29	14	3.36	32	2.09	38	3.54	40	0.02	38	3.68	34	1.98	46	5.66	24
10	ZM309	93	32	13	3.22	35	1.68	44	3.33	46	0.06	13	3.34	39	2.12	43	5.43	27
9	ZEWASR-IR	81	40	7	3.03	38	3.89	5	3.59	39	0.05	17	2.94	46	2.18	40	5.72	23
14	VP05119	97	33	10	3.02	41	2.51	31	3.65	36	0.05	25	3.15	43	2.12	44	4.23	45
11	VP05181	98	28	12	3.21	31	3.56	8	3.81	28	0.05	26	3.02	45	2.22	35	4.97	36
13	VP041	103	27	15	3.34	32	2.67	27	3.71	33	.		4.03	24	2.20	37	6.04	15
12	VP05120	99	29	12	3.33	33	2.21	37	3.83	26	0.02	35	3.69	32	2.19	38	5.16	33
43	VP0735	104	21	12	3.52	25	3.37	13	3.77	29	0.06	13	4.39	14	2.79	20	5.63	25
21	VP075	89	34	11	3.22	32	1.55	46	3.81	27	0.08	4	3.95	26	2.22	36	5.05	34
Matrurity group avera		95	30	12	3.26	33	2.77	26	3.71	31	0.05	21	3.52	35	2.16	39	5.39	28
Entries with anthesis between 67 and 69 days																		
42	VP0731	94	29	12	3.51	28	1.88	40	3.66	35	0.08	5	3.79	30	2.72	22	5.90	19
24	VP078	102	26	14	3.46	28	2.96	20	3.71	34	0.03	32	3.27	41	2.43	30	4.54	41
27	VP0711	106	23	14	3.83	19	2.46	32	4.30	11	0.05	24	4.30	15	2.59	25	6.83	9
8	Strigoff-216	94	31	9	3.36	33	3.11	17	3.73	32	0.05	17	3.72	31	2.23	34	5.39	29
33	VP0717	102	24	14	3.71	23	3.68	6	3.73	31	0.05	22	2.46	48	2.87	16	6.91	8
7	Strigoff-214	90	36	12	2.86	42	3.37	12	3.23	48	.		3.60	36	2.03	45	4.53	42
36	VP0720	112	16	11	4.00	15	2.82	24	3.87	23	0.06	11	3.97	25	3.19	8	7.11	4
18	VP0610	100	25	12	3.33	27	4.26	2	3.85	25	0.11	3	2.16	49	2.96	11	4.23	46
19	VP0611	97	28	12	3.40	29	2.60	29	3.03	49	.		3.82	28	2.18	39	4.89	37
22	VP076	96	28	12	3.45	29	2.89	21	4.32	10	0.03	34	3.86	27	2.38	32	5.28	31
4	ZM421-IR	90	32	11	3.29	32	3.54	9	3.38	45	0.05	17	4.22	17	2.53	28	5.78	22
25	VP079	106	19	9	4.09	18	2.63	28	3.86	24	0.07	8	4.06	22	2.98	10	8.58	1
41	VP0730	108	17	12	3.94	15	2.30	36	4.64	5	0.05	17	3.80	29	2.59	26	6.96	6
31	VP0715	106	18	11	3.94	17	2.33	35	3.74	30	0.01	40	5.49	3	2.87	17	6.41	11
17	ZM401	101	24	12	3.62	24	1.56	45	3.59	38	0.08	5	4.76	6	2.70	23	5.26	32
29	VP0713	107	20	12	3.92	17	3.59	7	4.28	13	0.06	15	4.03	23	2.67	24	6.13	14
6	Strigoff-210	88	34	14	3.45	30	1.92	39	3.52	42	0.02	36	4.61	9	1.86	47	6.04	16
34	VP0718	99	24	14	3.88	15	1.45	48	4.38	8	0.05	21	4.74	7	2.84	19	6.18	13
49	Local Check	99	27	16	3.37	34	3.05	19	4.03	17	.		3.63	35	1.69	48	5.57	26
39	VP0728	112	13	12	3.87	15	2.72	25	4.05	16	0.03	31	4.17	19	3.64	2	4.85	38
28	VP0712	105	21	12	4.09	15	3.34	14	4.49	7	0.08	7	5.70	1	2.95	12	6.95	7
Matrurity group avera		101	24	12	3.64	24	2.78	24	3.88	26	0.05	19	4.01	24	2.61	25	5.92	22
Entries with anthesis dates between 70 and 72 days																		
3	ZM423	106	18	14	3.79	19	2.89	22	4.69	4	0.05	22	4.60	10	2.76	21	5.96	18
1	ZM525	111	15	13	3.89	15	2.38	34	4.18	15	0.06	10	4.21	18	3.48	5	4.47	44
5	Strigoff-209	89	33	13	3.33	33	2.70	26	3.61	37	0.01	40	4.08	20	2.26	33	4.23	47
38	VP0722	100	25	13	3.81	23	3.12	16	3.53	41	0.13	1	3.32	40	2.88	15	7.51	2
37	VP0721	108	17	13	4.12	11	4.18	3	4.33	9	0.05	16	4.62	8	2.86	18	5.82	20
32	VP0716	107	18	11	4.27	13	1.06	49	4.30	12	0.04	28	5.52	2	3.52	4	7.23	3
40	VP0729	118	10	11	4.39	6	3.27	15	4.79	1	.		4.91	5	3.63	3	6.22	12
26	VP0710	107	17	13	3.71	20	2.87	23	4.75	2	0.01	39	5.11	4	2.58	27	5.41	28
20	VP05191	101	23	11	3.53	24	2.41	33	3.91	21	0.02	36	4.07	21	2.90	13	5.39	30
48	07SADVE	111	15	13	3.69	19	3.43	11	4.62	6	0.03	30	4.26	16	3.12	9	4.04	49
2	ZM523	103	20	13	3.87	18	3.99	4	4.27	14	0.00	43	3.35	38	3.46	6	5.97	17
47	VP0738	97	30	14	3.61	27	1.54	47	4.03	18	0.03	33	4.54	12	2.40	31	5.81	21
44	VP0737	89	31	14	3.34	30	3.50	10	3.48	43	0.13	2	3.15	42	2.46	29	4.75	39
Matrurity group avera		104	21	13	3.79	20	2.87	23	4.19	17	0.05	25	4.29	18	2.95	16	5.60	25
Entries with anthesis dates greater than 72 days																		
35	VP0719	96	25	15	3.72	24	3.08	18	3.92	19	0.05	26	4.52	13	3.34	7	7.05	5
46	VP0736	88	35	11	3.12	38	1.79	43	3.29	47	0.07	9	3.12	44	2.15	42	4.06	48
30	VP0714	109	15	13	4.10	10	2.56	30	4.72	3	0.01	40	4.56	11	3.64	1	5.01	35
45	VP0740	97	28	15	3.71	27	1.84	42	3.45	44	.		3.51	37	2.89	14	4.51	43
Matrurity group avera		98	26	13	3.66	25	2.32	33	3.85	28	0.04	25	3.93	26	3.01	16	5.16	33
Mean		100	25	12	3.60	25	2.77	25	3.92	25	0.05	22	3.97	25	2.63	25	5.65	25
LSD (0.05)		8	7	2	0.43	9	2.46	14	0.85	14	0.06	13	1.60	14	0.72	14	1.75	14
Min		81	10	7	2.86	6	1.06	1	3.03	1	0.00	1	2.16	1	1.53	1	4.04	1
Max		118	40	16	4.39	42	5.04	49	4.79	49	0.13	43	5.70	49	3.64	49	8.58	49
NumSignificantSites		36	36	36	9	9	0		1		0		1		1		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3H

Entry	Name	Across			Grain Yields - Mid-Altitude Dry (Zone C)						Grain Yields - Lowland Tropical Dry (Zone E)									
		RelGY	Rank		Afsf-Arusha Tan		Potchefstroom Sou		Across		Francistown Bot		Goodhope Bot		Matopos Zim		Pandamatenga Bot		Save Valley Zim	
					GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days																				
15	VP05118	94	30	13	2.26	29	1.82	43	2.55	21	0.93	47	1.97	12	1.49	13	6.32	43	0.60	22
16	VP05113	94	34	13	1.90	41	2.07	39	2.43	27	0.87	48	1.64	35	1.41	23	5.31	49	1.87	3
23	VP077	98	29	14	2.48	23	2.62	22	2.77	15	1.42	17	2.12	6	1.48	15	6.43	41	1.08	10
10	ZM309	93	32	13	2.23	30	1.82	42	2.31	25	1.21	40	1.92	16	1.14	43	5.54	48	0.81	15
9	ZEWASR-IR	81	40	7	1.53	48	2.28	34	2.00	44	1.23	39	1.26	46	1.13	45	5.98	46	0.12	44
14	VP05119	97	33	10	2.00	39	2.01	40	3.09	15	1.06	43	1.88	19	1.14	42	7.44	19	1.99	2
11	VP05181	98	28	12	2.44	24	1.88	41	2.47	30	1.30	32	1.64	36	1.42	21	6.38	42	1.04	11
13	VP041	103	27	15	1.85	44	1.63	44	2.76	24	1.63	2	1.17	47	1.82	1	6.58	37	2.12	1
12	VP05120	99	29	12	2.20	33	2.96	20	2.65	18	1.39	19	1.96	13	1.46	17	6.10	45	1.28	7
43	VP0735	104	21	12	2.21	31	1.50	48	2.65	24	1.41	18	1.53	42	1.44	18	6.99	29	0.87	14
21	VP075	89	34	11	2.14	35	3.32	10	2.46	30	1.48	14	1.64	34	1.49	12	6.95	30	0.17	41
Matrurity group avera		95	30	12	2.11	34	2.17	35	2.56	25	1.27	29	1.70	28	1.40	23	6.37	39	1.09	15
Entries with anthesis between 67 and 69 days																				
42	VP0731	94	29	12	1.42	49	2.45	31	2.56	31	1.00	46	1.61	37	1.80	3	7.37	22	0.51	28
24	VP078	102	26	14	2.83	10	2.96	19	3.08	10	1.37	22	2.64	1	1.82	2	7.72	12	0.54	24
27	VP0711	106	23	14	2.72	14	3.44	7	3.17	15	1.55	5	1.57	39	1.58	8	8.20	7	1.65	4
8	Strigoff-216	94	31	9	1.79	46	2.49	30	2.48	28	1.67	1	1.88	18	1.38	28	6.54	39	0.95	12
33	VP0717	102	24	14	2.80	12	3.04	16	2.73	23	1.27	36	1.65	33	1.26	35	7.36	23	1.11	9
7	Strigoff-214	90	36	12	1.60	47	1.51	46	2.33	29	1.06	44	0.35	49	1.40	24	6.61	36	1.50	6
36	VP0720	112	16	11	2.71	15	3.19	12	3.14	11	1.50	10	1.84	21	1.35	32	8.64	2	0.76	17
18	VP0610	100	25	12	2.35	27	3.03	17	2.59	21	1.28	35	2.06	9	1.33	34	6.66	35	0.51	27
19	VP0611	97	28	12	2.76	13	2.10	38	2.69	22	1.19	41	1.84	22	1.35	31	7.28	24	0.46	30
22	VP076	96	28	12	1.81	45	2.24	36	2.53	25	1.31	30	1.79	23	1.55	10	6.81	33	0.52	26
4	ZM421-IR	90	32	11	2.02	38	2.20	37	2.31	37	1.37	23	1.38	45	1.37	29	6.89	32	0.32	33
25	VP079	106	19	9	2.53	20	2.57	25	2.82	19	1.58	3	1.78	27	1.69	5	7.59	17	0.48	29
41	VP0730	108	17	12	2.87	9	2.52	29	2.77	16	1.48	12	2.14	5	1.39	26	7.17	28	0.67	18
31	VP0715	106	18	11	2.34	28	2.56	26	2.59	25	1.46	16	1.69	31	1.44	19	7.21	25	0.33	32
17	ZM401	101	24	12	2.69	16	2.61	23	3.03	17	1.31	29	1.91	17	1.21	36	8.50	3	0.91	13
29	VP0713	107	20	12	2.39	25	1.59	45	2.86	18	1.50	9	1.78	25	1.41	22	7.37	21	1.26	8
6	Strigoff-210	88	34	14	1.85	43	3.73	4	2.40	36	1.53	7	1.39	44	1.02	49	7.41	20	-0.03	47
34	VP0718	99	24	14	2.50	21	1.50	49	2.16	41	1.33	26	1.49	43	1.40	25	6.23	44	0.21	39
49	Local Check	99	27	16	1.97	40	4.14	3	2.33	35	1.09	42	1.75	28	1.21	37	6.56	38	0.28	36
39	VP0728	112	13	12	2.91	7	2.56	27	2.63	23	1.57	4	2.21	4	1.59	7	7.19	26	0.26	37
28	VP0712	105	21	12	2.89	8	3.17	14	2.54	27	1.52	8	1.60	38	1.47	16	6.93	31	0.56	23
Matrurity group avera		101	24	12	2.37	25	2.65	25	2.65	24	1.38	21	1.73	27	1.43	23	7.25	25	0.66	24
Entries with anthesis dates between 70 and 72 days																				
3	ZM423	106	18	14	2.49	22	3.59	5	2.04	34	1.54	6	0.56	48	1.66	6	5.93	47	0.81	16
1	ZM525	111	15	13	2.65	17	3.57	6	2.39	30	1.31	31	1.93	15	1.03	48	6.48	40	0.32	34
5	Strigoff-209	89	33	13	1.86	42	3.07	15	2.63	31	1.28	34	1.70	30	1.20	38	8.10	10	0.28	35
38	VP0722	100	25	13	2.55	19	3.26	11	2.58	31	1.48	13	1.56	40	1.39	27	7.66	14	0.61	21
37	VP0721	108	17	13	3.41	2	2.59	24	3.71	14	1.48	11	2.02	10	1.13	44	8.26	6	.	
32	VP0716	107	18	11	3.36	3	3.18	13	2.47	33	1.38	21	1.65	32	1.36	30	7.46	18	0.06	45
40	VP0729	118	10	11	3.58	1	3.33	8	2.91	19	1.37	24	1.71	29	1.48	14	8.32	5	0.62	20
26	VP0710	107	17	13	2.38	26	2.26	35	3.17	13	1.39	20	2.60	2	1.56	9	8.50	4	0.17	42
20	VP05191	101	23	11	2.20	32	2.56	28	2.60	26	1.23	38	2.09	8	1.78	4	7.18	27	0.53	25
48	07SADVE	111	15	13	3.09	4	2.99	18	2.81	21	1.31	28	1.86	20	1.15	41	8.15	8	0.37	31
2	ZM523	103	20	13	2.12	36	4.17	2	2.52	33	1.29	33	1.55	41	1.42	20	7.69	13	0.25	38
47	VP0738	97	30	14	2.08	37	2.38	33	3.09	17	1.33	27	2.11	7	1.18	39	8.13	9	1.60	5
44	VP0737	89	31	14	2.81	11	2.89	21	2.26	36	1.04	45	1.95	14	1.03	47	6.80	34	-0.02	46
Matrurity group avera		104	21	13	2.66	19	3.07	17	2.71	26	1.34	25	1.79	23	1.34	28	7.59	18	0.47	30
Entries with anthesis dates greater than 72 days																				
35	VP0719	96	25	15	2.61	18	1.51	47	2.45	34	1.37	25	1.78	26	1.54	11	7.65	15	-0.19	48
46	VP0736	88	35	11	2.14	34	2.43	32	2.70	27	1.47	15	1.79	24	1.16	40	8.03	11	0.19	40
30	VP0714	109	15	13	2.97	5	3.32	9	3.16	16	1.27	37	2.27	3	1.34	33	9.11	1	0.66	19
45	VP0740	97	28	15	2.93	6	5.40	1	2.64	25	0.79	49	1.98	11	1.04	46	7.63	16	0.16	43
Matrurity group avera		98	26	13	2.66	16	3.17	22	2.74	26	1.22	32	1.95	16	1.27	33	8.10	11	0.21	38
Mean		100	25	12	2.41	25	2.69	25	2.65	25	1.33	25	1.76	25	1.38	25	7.21	25	0.67	25
LSD (0.05)		8	7	2	0.83	14	1.66	14	0.58	8	0.45	14	0.79	14	0.42	14	1.77	14	1.00	14
Min		81	10	7	1.42	1	1.50	1	2.00	10	0.79	1	0.35	1	1.02	1	5.31	1	-0.19	1
Max		118	40	16	3.58	49	5.40	49	3.71	44	1.67	49	2.64	49	1.82	49	9.11	49	2.12	48
NumSignificantSites		36	36	36	1		1		4	4	0		1		1		1		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3I

Entry	Name	Across			Grain Yields - Highlands (Zone F)				Grain Yields - Managed Drought Stress				Grain Yields -Low N stress							
		Across			Siloe Les		Tsali-Tlama Les		Across		Chiredzi Zim		Across		Chitedze Mal		Harare Zim		Rattray-Arnold Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days																				
15	VP05118	94	30	13	1.01	23	1.65	13	1.29	6	1.29	6	1.32	29	1.82	36	1.35	15	0.80	36
16	VP05113	94	34	13	1.17	11	1.27	37	0.89	22	0.89	22	1.18	38	1.76	40	1.01	36	0.78	38
23	VP077	98	29	14	0.62	47	1.21	40	1.48	1	1.48	1	1.53	18	2.34	11	1.42	11	0.82	32
10	ZM309	93	32	13	1.26	6	1.21	41	0.97	20	0.97	20	1.65	20	2.42	9	1.86	2	0.66	49
9	ZEWASR-IR	81	40	7	0.71	44	1.39	26	0.64	39	0.64	39	1.00	45	1.44	46	0.79	46	0.76	42
14	VP05119	97	33	10	1.03	22	1.44	22	1.04	18	1.04	18	1.18	33	1.48	45	1.25	24	0.82	29
11	VP05181	98	28	12	1.13	14	1.38	27	0.82	29	0.82	29	1.31	31	1.82	37	1.34	17	0.77	40
13	VP041	103	27	15	0.78	42	1.59	16	1.18	11	1.18	11	1.51	18	2.51	6	1.12	32	0.91	16
12	VP05120	99	29	12	0.70	45	1.08	46	1.24	7	1.24	7	1.30	33	2.04	23	1.13	31	0.75	44
43	VP0735	104	21	12	1.41	3	1.35	31	1.21	9	1.21	9	1.62	11	2.52	5	1.45	8	0.89	19
21	VP075	89	34	11	0.68	46	1.22	39	1.09	15	1.09	15	1.21	32	2.02	25	0.80	44	0.82	28
Matrurity group avera		95	30	12	0.95	28	1.35	31	1.08	16	1.08	16	1.35	28	2.02	26	1.23	24	0.80	34
Entries with anthesis between 67 and 69 days																				
42	VP0731	94	29	12	0.83	35	1.40	25	0.73	35	0.73	35	1.02	39	1.41	47	0.83	42	0.83	27
24	VP078	102	26	14	0.74	43	1.52	20	1.42	3	1.42	3	1.35	25	1.95	30	1.20	27	0.90	18
27	VP0711	106	23	14	0.93	28	1.82	6	1.24	8	1.24	8	1.57	21	2.22	15	1.76	4	0.72	45
8	Strigoff-216	94	31	9	0.81	39	1.73	8	0.55	44	0.55	44	1.35	24	1.82	38	1.34	16	0.90	17
33	VP0717	102	24	14	1.45	2	1.37	29	0.82	28	0.82	28	1.28	25	1.61	42	1.35	14	0.88	20
7	Strigoff-214	90	36	12	1.23	8	1.58	18	0.86	26	0.86	26	1.19	38	1.99	26	0.89	40	0.68	48
36	VP0720	112	16	11	0.87	33	1.59	17	1.32	5	1.32	5	1.69	9	2.30	13	1.78	3	0.98	12
18	VP0610	100	25	12	1.40	4	1.26	38	1.15	12	1.15	12	1.39	26	2.21	16	1.14	29	0.81	34
19	VP0611	97	28	12	1.21	9	1.60	15	1.20	10	1.20	10	1.42	25	2.18	18	1.29	22	0.80	35
22	VP076	96	28	12	0.97	26	1.72	9	1.01	19	1.01	19	1.32	27	2.06	21	1.05	35	0.84	24
4	ZM421-IR	90	32	11	0.87	32	1.43	24	0.64	39	0.64	39	1.30	29	1.75	41	1.30	21	0.84	25
25	VP079	106	19	9	1.05	19	1.38	28	1.42	2	1.42	2	1.38	23	2.06	22	1.21	26	0.86	21
41	VP0730	108	17	12	0.82	36	1.29	34	1.11	14	1.11	14	1.49	14	2.11	19	1.39	12	0.99	11
31	VP0715	106	18	11	0.80	40	1.43	23	1.13	13	1.13	13	1.63	9	2.30	12	1.60	6	1.00	9
17	ZM401	101	24	12	1.04	21	1.16	43	0.77	34	0.77	34	1.28	27	1.96	29	0.95	38	0.94	13
29	VP0713	107	20	12	0.92	30	1.70	11	1.05	17	1.05	17	1.37	26	2.19	17	1.08	34	0.83	26
6	Strigoff-210	88	34	14	0.79	41	0.88	47	0.81	32	0.81	32	1.13	41	1.87	35	0.81	43	0.72	46
34	VP0718	99	24	14	0.81	38	1.70	10	0.69	38	0.69	38	1.56	21	2.59	2	1.31	20	0.77	41
49	Local Check	99	27	16	1.39	5	2.13	1	0.72	37	0.72	37	1.35	24	1.93	32	1.00	37	1.11	2
39	VP0728	112	13	12	0.94	27	1.85	4	0.87	25	0.87	25	1.62	11	2.54	4	1.26	23	1.06	6
28	VP0712	105	21	12	1.09	16	1.82	5	1.07	16	1.07	16	1.50	23	1.94	31	1.75	5	0.82	33
Matrurity group avera		101	24	12	1.00	25	1.54	20	0.98	22	0.98	22	1.39	24	2.05	24	1.25	24	0.87	24
Entries with anthesis dates between 70 and 72 days																				
3	ZM423	106	18	14	0.84	34	1.10	45	0.87	24	0.87	24	1.68	7	2.58	3	1.44	9	1.02	8
1	ZM525	111	15	13	1.05	20	1.60	14	0.81	30	0.81	30	1.57	12	2.36	10	1.33	19	1.02	7
5	Strigoff-209	89	33	13	0.58	49	1.89	2	0.45	48	0.45	48	1.21	30	1.79	39	0.78	47	1.07	4
38	VP0722	100	25	13	0.98	25	1.54	19	0.48	47	0.48	47	1.22	36	1.92	33	0.95	38	0.78	37
37	VP0721	108	17	13	1.61	1	1.68	12	0.86	27	0.86	27	1.32	31	1.89	34	1.37	13	0.70	47
32	VP0716	107	18	11	0.90	31	1.88	3	0.72	36	0.72	36	1.59	13	2.47	7	1.43	10	0.86	22
40	VP0729	118	10	11	1.13	13	1.29	35	0.96	21	0.96	21	1.55	13	1.97	28	1.58	7	1.09	3
26	VP0710	107	17	13	1.09	15	1.74	7	1.40	4	1.40	4	1.39	22	2.11	20	1.13	30	0.94	15
20	VP05191	101	23	11	0.92	29	1.10	44	0.58	43	0.58	43	1.46	17	1.98	27	1.33	18	1.06	5
48	07SADVE	111	15	13	0.82	37	1.28	36	0.88	23	0.88	23	1.87	4	2.72	1	1.89	1	0.99	10
2	ZM523	103	20	13	1.23	7	0.85	48	0.60	41	0.60	41	1.47	25	2.45	8	1.18	28	0.78	39
47	VP0738	97	30	14	1.00	24	1.32	33	0.53	46	0.53	46	1.01	41	1.60	43	0.62	49	0.82	31
44	VP0737	89	31	14	1.06	17	1.47	21	0.30	49	0.30	49	0.98	39	1.29	49	0.80	45	0.85	23
Matrurity group avera		104	21	13	1.02	23	1.44	25	0.73	34	0.73	34	1.41	22	2.09	23	1.22	24	0.92	19
Entries with anthesis dates greater than 72 days																				
35	VP0719	96	25	15	0.60	48	1.36	30	0.54	45	0.54	45	1.37	30	2.25	14	1.11	33	0.75	43
46	VP0736	88	35	11	1.15	12	0.76	49	0.78	33	0.78	33	1.03	40	1.38	48	0.88	41	0.82	30
30	VP0714	109	15	13	1.06	18	1.19	42	0.59	42	0.59	42	1.49	17	2.02	24	1.21	25	1.23	1
45	VP0740	97	28	15	1.19	10	1.35	32	0.81	31	0.81	31	1.08	35	1.58	44	0.72	48	0.94	14
Matrurity group avera		98	26	13	1.00	22	1.17	38	0.68	38	0.68	38	1.24	30	1.81	33	0.98	37	0.94	22
Mean		100	25	12	0.99	25	1.44	25	0.91	25	0.91	25	1.37	25	2.03	25	1.22	25	0.87	25
LSD (0.05)		8	7	2	0.52	14	0.75	14	0.58	14	0.58	14	0.28	10	0.55	14	0.51	14	0.24	14
Min		81	10	7	0.58	1	0.76	1	0.30	1	0.30	1	0.98	4	1.29	1	0.62	1	0.66	1
Max		118	40	16	1.61	49	2.13	49	1.48	49	1.48	49	1.87	45	2.72	49	1.89	49	1.23	49
NumSignificantSites		36	36	36	0		0		1		1		3	3	1		1		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3J

Entry	Name	Across			Low N Stress Across		Grain Yield - Low pH stress Across		Kasama Zam		Grain Yield - MSV Across	Harare Zim		Grain Yields -Mid Altitude Central Africa Across		Kisanga Dem		Kipopo Dem	
		RelGY	Rank		ASI	Senescence0_10	GrainYield	RankNo	GrainYield	RankNo	EPPNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	d	0-10	t/ha	#	t/ha	#	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days																			
15	VP05118	94	30	13	1.7	5.1	2.98	19	2.98	19	0.99	4.26	46	2.80	34	1.80	31	3.80	37
16	VP05113	94	34	13	2.4	5.7	3.15	12	3.15	12	0.99	4.63	39	2.58	42	1.68	36	3.49	47
23	VP077	98	29	14	1.6	4.7	2.97	20	2.97	20	0.98	4.55	41	2.75	39	1.47	44	4.02	33
10	ZM309	93	32	13	2.0	4.3	2.91	23	2.91	23	0.96	5.88	23	2.88	34	1.64	37	4.11	31
9	ZEWASR-IR	81	40	7	2.8	5.2	2.00	46	2.00	46	0.90	5.12	34	2.62	41	1.64	38	3.61	43
14	VP05119	97	33	10	2.9	4.1	2.21	43	2.21	43	0.95	5.53	28	3.04	27	1.92	23	4.16	30
11	VP05181	98	28	12	2.5	4.8	2.89	25	2.89	25	0.96	4.86	36	2.56	44	1.54	42	3.57	45
13	VP041	103	27	15	4.4	4.4	2.57	35	2.57	35	0.95	4.53	43	3.12	25	1.85	28	4.40	21
12	VP05120	99	29	12	1.4	4.4	2.85	27	2.85	27	0.97	5.22	33	3.59	8	2.48	2	4.70	14
43	VP0735	104	21	12	1.6	4.0	3.63	4	3.63	4	0.97	6.97	7	3.00	31	1.33	47	4.66	15
21	VP075	89	34	11	1.7	5.3	3.26	10	3.26	10	0.96	4.54	42	2.71	37	1.83	29	3.60	44
Matrurity group aver		95	30	12	2.3	4.7	2.86	24	2.86	24	0.96	5.10	34	2.88	33	1.74	32	4.01	33
Entries with anthesis between 67 and 69 days																			
42	VP0731	94	29	12	4.1	4.0	2.50	36	2.50	36	1.00	6.60	10	2.99	30	1.56	40	4.42	20
24	VP078	102	26	14	1.1	4.8	3.47	5	3.47	5	1.02	3.79	48	3.01	31	1.52	43	4.49	18
27	VP0711	106	23	14	1.8	4.2	2.60	33	2.60	33	0.90	5.25	31	3.09	29	1.19	48	4.99	10
8	Strigoff-216	94	31	9	3.1	4.8	2.45	38	2.45	38	0.96	5.38	30	2.83	32	1.88	25	3.77	39
33	VP0717	102	24	14	0.9	4.3	2.62	32	2.62	32	0.90	6.41	15	3.97	4	2.62	1	5.31	6
7	Strigoff-214	90	36	12	3.6	4.7	3.14	14	3.14	14	1.00	4.45	44	3.40	21	1.73	34	5.07	8
36	VP0720	112	16	11	1.1	3.9	3.86	3	3.86	3	0.98	5.77	24	3.96	4	2.29	4	5.62	3
18	VP0610	100	25	12	0.1	4.2	2.59	34	2.59	34	0.94	6.46	13	3.38	16	1.99	20	4.76	12
19	VP0611	97	28	12	2.3	4.2	2.38	40	2.38	40	0.98	6.04	21	3.12	22	2.05	15	4.19	29
22	VP076	96	28	12	2.2	4.6	2.41	39	2.41	39	0.98	4.73	38	2.77	36	1.70	35	3.84	36
4	ZM421-IR	90	32	11	3.8	4.3	3.38	8	3.38	8	1.00	5.04	35	3.10	25	1.88	26	4.32	23
25	VP079	106	19	9	3.4	4.1	2.94	21	2.94	21	1.00	6.24	16	3.21	18	2.15	9	4.26	27
41	VP0730	108	17	12	2.0	3.7	3.41	7	3.41	7	0.94	6.12	17	3.68	18	1.75	32	5.62	4
31	VP0715	106	18	11	1.6	4.4	3.27	9	3.27	9	0.99	6.12	19	2.82	32	1.89	24	3.76	40
17	ZM401	101	24	12	2.7	4.4	3.10	16	3.10	16	0.92	6.65	9	2.81	29	2.09	11	3.54	46
29	VP0713	107	20	12	2.3	3.8	2.68	29	2.68	29	0.97	7.21	6	2.98	31	1.74	33	4.21	28
6	Strigoff-210	88	34	14	3.7	4.3	2.34	41	2.34	41	0.94	4.61	40	2.76	35	1.88	27	3.64	42
34	VP0718	99	24	14	1.4	4.0	2.92	22	2.92	22	0.93	5.59	26	2.92	34	1.55	41	4.28	26
49	Local Check	99	27	16	0.9	4.1	3.96	2	3.96	2	0.95	5.46	29	3.12	28	1.62	39	4.61	16
39	VP0728	112	13	12	3.4	4.2	2.64	30	2.64	30	0.94	8.87	2	4.12	3	2.28	5	5.95	1
28	VP0712	105	21	12	2.7	4.6	2.34	42	2.34	42	0.89	5.60	25	2.92	28	1.99	21	3.86	35
Matrurity group aver		101	24	12	2.3	4.3	2.90	24	2.90	24	0.96	5.83	24	3.19	24	1.87	25	4.50	22
Entries with anthesis dates between 70 and 72 days																			
3	ZM423	106	18	14	3.5	3.6	2.63	31	2.63	31	0.89	6.45	14	2.88	28	2.05	14	3.70	41
1	ZM525	111	15	13	2.7	4.1	3.14	13	3.14	13	0.94	7.54	4	3.29	15	2.26	6	4.31	24
5	Strigoff-209	89	33	13	5.2	4.7	2.78	28	2.78	28	1.00	4.74	37	2.48	41	0.88	49	4.07	32
38	VP0722	100	25	13	2.9	3.9	3.97	1	3.97	1	0.96	5.97	22	3.53	11	2.12	10	4.95	11
37	VP0721	108	17	13	2.3	4.0	3.45	6	3.45	6	0.95	6.57	12	3.76	9	2.06	12	5.45	5
32	VP0716	107	18	11	2.3	4.6	3.11	15	3.11	15	0.94	5.55	27	3.19	20	2.01	17	4.36	22
40	VP0729	118	10	11	2.6	3.8	3.01	18	3.01	18	0.91	8.30	3	3.19	28	1.34	46	5.04	9
26	VP0710	107	17	13	2.0	3.7	2.49	37	2.49	37	0.89	6.12	18	3.25	18	2.00	18	4.51	17
20	VP05191	101	23	11	1.3	3.2	2.90	24	2.90	24	0.86	7.22	5	3.13	25	1.81	30	4.46	19
48	07SADVE	111	15	13	1.9	3.2	3.22	11	3.22	11	0.96	9.63	1	3.39	14	2.47	3	4.31	25
2	ZM523	103	20	13	2.5	3.7	2.09	45	2.09	45	0.89	6.60	11	3.67	8	2.19	8	5.14	7
47	VP0738	97	30	14	3.9	5.3	1.90	47	1.90	47	0.95	4.30	45	2.71	35	1.94	22	3.48	48
44	VP0737	89	31	14	5.7	5.0	2.16	44	2.16	44	0.87	3.46	49	3.09	21	2.22	7	3.95	34
Matrurity group aver		104	21	13	3.0	4.1	2.83	25	2.83	25	0.92	6.34	19	3.20	21	1.95	19	4.44	23
Entries with anthesis dates greatear than 72 days																			
35	VP0719	96	25	15	0.5	4.1	3.07	17	3.07	17	0.92	6.06	20	3.97	8	2.06	13	5.87	2
46	VP0736	88	35	11	2.9	4.4	2.88	26	2.88	26	0.92	4.07	47	2.66	34	2.00	19	3.33	49
30	VP0714	109	15	13	6.8	3.7	1.64	49	1.64	49	0.81	6.72	8	3.39	15	2.02	16	4.76	13
45	VP0740	97	28	15	8.5	4.5	1.83	48	1.83	48	0.73	5.23	32	2.58	42	1.38	45	3.78	38
Matrurity group aver		98	26	13	4.6	4.2	2.36	35	2.36	35	0.85	5.52	27	3.15	24	1.86	23	4.44	26
Mean		100	25	12	2.7	4.3	2.83	25	2.83	25	0.94	5.78	25	3.12	25	1.86	25	4.37	25
LSD (0.05)		8	7	2	2.9	0.9	0.85	14	0.85	14	0.11		14	0.78	11	0.62	14	1.42	14
Min		81	10	7	0.1	3.2	1.64	1	1.64	1	0.73	3.46	1	2.48	3	0.88	1	3.33	1
Max		118	40	16	8.5	5.7	3.97	49	3.97	49	1.02	9.63	49	4.12	44	2.62	49	5.95	49
NumSignificantSites		36	36	36	2	1	1	1	1		1	0		2	2	1		1	

EPOP08: Results of evaluation of early maturing OPVs from CIMMYT across 52 sites in eastern and southern Africa, 2007/08.

TABLE 3K

Grain Yields - Mega-enviromnents Unknown

Entry	Name	Pedigree	Across			Across		Moz		Zim		Sou	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 64 and 66 days													
15	VP05118	P401,P402,ZEWAc1F2L/ZEWBc1F2P	94	30	13	4.50	17	8.20	25	0.80	9	5.40	24
16	VP05113	[ZEWAc1F2L/ZEWBc1F2P]-#	94	34	13	4.59	31	8.79	14	0.39	48	5.37	25
23	VP077	(VP047/G16BNSeqC4)F2	98	29	14	5.20	13	9.75	3	0.64	22	5.06	34
10	ZM309	VP047	93	32	13	4.15	39	7.82	33	0.47	44	5.15	32
9	ZEWASR-IR	ZEWASR-IR	81	40	7	3.99	43	7.49	42	0.48	43	4.30	45
14	VP05119	[P401,P402,ZEWBc1F2L/ZEWAc1F2P]-#	97	33	10	4.14	33	7.69	35	0.58	31	5.92	9
11	VP05181	[ZEWBc1F2/99SADVEA-F2]F2-#	98	28	12	4.01	31	7.34	44	0.69	17	5.44	22
13	VP041	VP041-#	103	27	15	5.07	7	9.35	5	0.80	8	5.84	13
12	VP05120	[P401,P402,ZEWAc1F2L/ZEWBc1F2P//P401,P402,ZEWBc1F2L/	99	29	12	3.79	37	6.98	47	0.60	27	5.60	20
43	VP0735	VHTC06AcSyn	104	21	12	4.44	20	8.18	26	0.71	14	4.84	37
21	VP075	(VP041/G16BNSeqC4)F2	89	34	11	4.48	21	8.31	21	0.65	20	5.15	30
Matrurity group average			95	30	12	4.40	26	8.17	27	0.62	26	5.28	26
Entries with anthesis between 67 and 69 days													
42	VP0731	VHTB06DTSyn	94	29	12	4.54	15	8.22	24	0.86	5	5.82	14
24	VP078	(Syn01E2/G16BNSeqC4)F2	102	26	14	4.39	18	7.75	34	1.03	2	4.97	36
27	VP0711	(VP047/DTPWC9)F2	106	23	14	4.55	23	8.49	18	0.60	28	6.61	1
8	Strigoff-216	ECA-STRIGOFF-VE-216	94	31	9	4.34	26	8.04	29	0.64	23	5.62	19
33	VP0717	(Syn01E2/VP047)F2	102	24	14	4.14	28	7.61	37	0.68	19	5.75	16
7	Strigoff-214	ECA-STRIGOFF-VE-214	90	36	12	4.64	25	8.71	15	0.57	34	4.80	39
36	VP0720	(VP047/03SADVI)F2	112	16	11	4.30	22	7.60	40	1.00	3	5.47	21
18	VP0610	[Syn0411]H#-#	100	25	12	4.94	9	9.11	8	0.76	10	5.33	28
19	VP0611	[Syn0412]H#-#	97	28	12	4.46	19	8.16	27	0.75	11	4.78	40
22	VP076	(VP046/G16BNSeqC4)F2	96	28	12	3.97	26	7.08	46	0.86	6	6.03	8
4	ZM421-IR	[ZM421/BULK (AMSECA/465//ZEW(A)-SRF2-B)/ZIM421-	90	32	11	3.60	47	6.75	48	0.45	45	5.02	35
25	VP079	(VP041/DTPWC9)F2	106	19	9	4.71	23	8.84	13	0.57	33	5.85	12
41	VP0730	VHTA06DTSyn	108	17	12	4.05	34	7.49	41	0.62	26	5.92	10
31	VP0715	(VP047/LaPostaSeqC8)F2	106	18	11	4.21	32	7.83	32	0.58	32	5.81	15
17	ZM401	Syn01E2	101	24	12	3.95	38	7.32	45	0.59	30	5.15	31
29	VP0713	(VP041/LaPostaSeqC8)F2	107	20	12	4.55	15	8.27	22	0.82	7	6.11	5
6	Strigoff-210	ECA-STRIGOFF-VE-210	88	34	14	5.25	19	9.96	1	0.54	37	3.65	49
34	VP0718	(VP041/03SADVI)F2	99	24	14	4.93	16	9.23	7	0.63	25	5.35	27
49	Local Check	Local Check	99	27	16	4.74	24	8.92	11	0.56	36	4.74	41
39	VP0728	VHTB06AcSyn	112	13	12	4.76	26	9.05	9	0.48	42	5.29	29
28	VP0712	(Syn01E2/DTPWC9)F2	105	21	12	4.97	23	9.44	4	0.50	41	6.28	3
Matrurity group average			101	24	12	4.48	24	8.28	24	0.67	24	5.45	23
Entries with anthesis dates between 70 and 72 days													
3	ZM423	ZM423-#	106	18	14	4.68	12	8.44	19	0.92	4	6.05	7
1	ZM525	02SADVE-#-#	111	15	13	5.30	9	9.91	2	0.70	16	5.09	33
5	Strigoff-209	ECA-STRIGOFF-VE-209	89	33	13	4.76	20	8.92	10	0.60	29	5.37	26
38	VP0722	(V032/03SADVI)F2	100	25	13	3.16	34	5.64	49	0.69	18	5.92	11
37	VP0721	(Syn01E2/03SADVI)F2	108	17	13	4.19	35	7.84	31	0.54	38	5.43	23
32	VP0716	(Syn01E2/LaPostaSeqC8)F2	107	18	11	4.83	9	8.56	17	1.10	1	4.67	42
40	VP0729	VHTA06AcSyn	118	10	11	5.01	10	9.30	6	0.72	13	6.10	6
26	VP0710	(VP046/DTPWC9)F2	107	17	13	4.60	20	8.57	16	0.63	24	5.75	17
20	VP05191	Syn051	101	23	11	4.37	25	8.10	28	0.65	21	4.61	44
48	07SADVE	07SADVIA/07SADVIB-#	111	15	13	4.48	19	8.25	23	0.71	15	6.11	4
2	ZM523	ZM523-#	103	20	13	4.57	16	8.42	20	0.72	12	6.44	2
47	VP0738	([Obatanpa/IWDC2SYNF2/IWDC2SYNF2]/S99TLWQAB)F2	97	30	14	4.15	38	7.86	30	0.44	46	4.28	46
44	VP0737	([Obatanpa/ZEADIPLOSYNW-1/ZEADIPLOSYNW-	89	31	14	3.87	46	7.40	43	0.34	49	4.10	48
Matrurity group average			104	21	13	4.46	22	8.25	23	0.67	22	5.38	24
Entries with anthesis dates greatar thatn 72 days													
35	VP0719	(VP046/03SADVI)F2	96	25	15	4.10	38	7.68	36	0.52	39	4.25	47
46	VP0736	([Obatanpa/TZLCOMP1SYNW-1/TZLCOMP1SYNW-	88	35	11	4.02	43	7.61	38	0.43	47	4.80	38
30	VP0714	(VP046/LaPostaSeqC8)F2	109	15	13	4.72	24	8.87	12	0.56	35	5.66	18
45	VP0740	([Obatanpa/ZEADIPLOSYNW-1/ZEADIPLOSYNW-	97	28	15	4.06	40	7.61	39	0.51	40	4.62	43
Matrurity group average			98	26	13	4.22	36	7.94	31	0.51	40	4.83	37
Mean			100	25	12	4.43	25	8.22	25	0.65	25	5.34	25
LSD (0.05)			8	7	2	0.83	11	1.63	14	0.29	14	1.43	14
Min			81	10	7	3.16	7	5.64	1	0.34	1	3.65	1
Max			118	40	16	5.30	47	9.96	49	1.10	49	6.61	49
NumSignificantSites			36	36	36	2	2	1		1		0	

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4C

Entry	Name	Pedigree				Grain Yields - Mid-Altitude East Africa				Grain Yields - Mid-Altitude Humid Warm (Zone A)							
				Across		Across		Pawe Eth		Across		Harare Zim		Chitedze Mal		Bembeke Mal	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 71 and 72 days																	
3	ZM725	04SADVL	128	5	3	4.29	6	4.29	6	5.96	7	4.03	5	5.40	5	3.69	4
5	ZM625	ZM625-#	111	7	4	4.24	8	4.24	8	6.12	5	3.43	8	5.57	3	3.36	6
6	ZM627	03SADVI-##(Brd)-#	122	8	5	4.85	3	4.85	3	5.88	8	3.58	7	4.62	10	2.65	14
19	07WEEVIL	07WEEVILA/07WEEVILB-#	106	10	4	3.43	18	3.43	18	5.58	10	2.89	13	4.79	8	2.71	12
20	AFRIC1	AFRIC1	102	10	5	4.58	5	4.58	5	5.97	7	2.27	16	5.23	6	3.10	8
21	Local Check	Local Check	98	11	7	4.12	9	4.12	9	6.16	6	5.39	1	5.14	7	2.34	16
11	Strigoff-140	ECA-STRIGOFF-VL-140	89	14	5	3.40	19	3.40	19	4.54	17	2.11	17	3.97	16	1.74	21
Maturity group average			108	9	5	4.13	10	4.13	10	5.75	9	3.39	10	4.96	8	2.80	12
Entries with anthesis dates between 73 and 75 days																	
18	07SADVI	07SADVLA/07SADVLB-#	119	5	3	4.67	4	4.67	4	6.27	5	4.17	4	5.90	2	4.27	1
12	UG1	UG1	116	5	4	4.90	2	4.90	2	6.61	3	4.29	3	4.76	9	3.89	2
2	05SADVI	05SADVI	112	6	5	5.32	1	5.32	1	6.60	3	3.18	12	6.64	1	3.72	3
4	ZM721	ZM721-#	112	8	4	4.28	7	4.28	7	5.62	10	3.72	6	5.49	4	3.13	7
13	Chitedze 6	Chitedze 6	101	10	5	3.93	11	3.93	11	5.71	10	4.68	2	3.91	19	3.59	5
10	Strigoff-129	ECA-STRIGOFF-VL-129	105	11	5	3.61	14	3.61	14	5.15	13	3.27	10	4.61	11	2.69	13
16	VP074	QSyn074	91	13	6	3.21	20	3.21	20	4.89	14	3.39	9	4.25	13	3.03	9
9	Strigoff-128	ECA-STRIGOFF-VL-128	91	14	4	3.94	10	3.94	10	5.16	13	2.63	15	4.40	12	2.95	11
17	VP072	QSyn072	89	14	4	3.72	13	3.72	13	4.78	16	3.22	11	3.96	17	2.12	18
8	Strigoff-126	ECA-STRIGOFF-VL-126	84	15	4	3.93	12	3.93	12	4.74	16	2.74	14	4.11	14	1.98	20
15	VP073	QSyn073	85	15	4	3.61	15	3.61	15	4.62	15	1.78	21	4.08	15	2.97	10
7	Strigoff-125	ECA-STRIGOFF-VL-125	81	16	4	3.54	16	3.54	16	4.70	17	1.90	19	3.55	20	2.10	19
1	Strigoff-133	ECA-STRIGOFF-VL-133	81	16	4	2.89	21	2.89	21	4.59	17	2.03	18	3.91	18	2.28	17
14	VP05199	QSyn051	76	18	4	3.52	17	3.52	17	3.72	19	1.87	20	3.26	21	2.45	15
Maturity group average			96	12	4	3.93	12	3.93	12	5.23	12	3.06	12	4.49	13	2.94	11
Mean			100	11	4	4.00	11	4.00	11	5.40	11	3.17	11	4.64	11	2.89	11
LSD (0.05)			15	4	1	0.65	6	0.65	6	0.69	5		6	1.14	6	1.19	6
Min			76	5	3	2.89	1	2.89	1	3.72	3	1.78	1	3.26	1	1.74	1
Max			128	18	7	5.32	21	5.32	21	6.61	19	5.39	21	6.64	21	4.27	21
NumSignificantSites			18	18	18	1	1	1		5	5	0		1		1	

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4D

Grain Yields - Mid-Altitude Humid Warm (Zone A)

Entry	Name	Across	Across		Across		Zomba Mal		Bvumbwe Mal		Mbawa Mal		ART Farm Harare Zim		Africa University Zim		Zamseed Farm Zam		Harare Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 71 and 72 days																				
3	ZM725	128	5	3	5.96	7	2.14	16	8.54	13	3.71	15	7.57	11	8.60	5	8.40	6	2.43	1
5	ZM625	111	7	4	6.12	5	1.71	20	8.76	10	5.34	2	8.33	2	7.79	10	8.57	4	1.48	16
6	ZM627	122	8	5	5.88	8	2.59	7	8.33	14	4.96	5	8.00	3	9.14	2	8.03	10	2.03	7
19	07WEEVIL	106	10	4	5.58	10	2.56	8	6.68	19	4.56	10	7.57	10	7.47	11	8.39	7	1.71	10
20	AFRIC1	102	10	5	5.97	7	2.01	18	8.91	9	4.86	6	7.27	14	8.56	6	8.10	9	2.32	3
21	Local Check	98	11	7	6.16	6	2.22	15	7.76	15	4.98	4	7.92	5	9.01	3	9.33	2	1.92	8
11	Strigoff-140	89	14	5	4.54	17	2.82	3	7.75	16	3.76	12	7.51	12	5.88	20	7.36	15	1.55	11
Maturity group average		108	9	5	5.75	9	2.29	12	8.10	14	4.59	8	7.74	8	8.06	8	8.31	8	1.92	8
Entries with anthesis dates between 73 and 75 days																				
18	07SADVI	119	5	3	6.27	5	2.86	2	8.62	12	4.78	8	8.00	4	8.27	8	8.16	8	1.19	20
12	UG1	116	5	4	6.61	3	2.87	1	11.02	1	5.35	1	7.79	6	9.28	1	9.77	1	1.80	9
2	05SADVI	112	6	5	6.60	3	2.38	13	9.03	6	5.08	3	7.22	15	8.83	4	8.73	3	2.07	5
4	ZM721	112	8	4	5.62	10	2.46	12	9.77	2	3.11	20	7.12	16	8.44	7	7.96	12	2.33	2
13	Chitedze 6	101	10	5	5.71	10	2.71	4	9.02	7	4.54	11	8.51	1	8.04	9	8.45	5	2.09	4
10	Strigoff-129	105	11	5	5.15	13	2.65	5	8.73	11	3.63	16	7.69	9	6.86	15	7.98	11	1.54	14
16	VP074	91	13	6	4.89	14	2.47	11	9.07	5	4.56	9	7.07	17	6.39	19	6.20	20	2.06	6
9	Strigoff-128	91	14	4	5.16	13	1.66	21	7.12	18	4.78	7	7.74	7	6.48	18	7.19	17	1.53	15
17	VP072	89	14	4	4.78	16	2.51	9	7.22	17	3.76	13	6.48	21	6.64	16	7.40	14	1.55	11
8	Strigoff-126	84	15	4	4.74	16	2.30	14	9.01	8	3.49	17	7.27	13	6.60	17	7.51	13	0.68	21
15	VP073	85	15	4	4.62	15	1.77	19	9.41	3	2.38	21	6.70	20	6.98	13	6.71	18	1.27	19
7	Strigoff-125	81	16	4	4.70	17	2.48	10	6.04	21	3.76	14	6.73	19	6.86	14	7.22	16	1.55	13
1	Strigoff-133	81	16	4	4.59	17	2.10	17	9.37	4	3.16	19	7.06	18	7.08	12	6.54	19	1.30	18
14	VP05199	76	18	4	3.72	19	2.63	6	6.15	20	3.17	18	7.70	8	5.72	21	4.01	21	1.44	17
Maturity group average		96	12	4	5.23	12	2.42	10	8.54	10	3.97	13	7.36	12	7.32	12	7.42	13	1.60	12
Mean		100	11	4	5.40	11	2.38	11	8.40	11	4.18	11	7.49	11	7.57	11	7.71	11	1.71	11
LSD (0.05)		15	4	1	0.69	5	1.19	6	2.14	6	1.54	6	1.49	6	2.19	6	1.43	6	1.11	6
Min		76	5	3	3.72	3	1.66	1	6.04	1	2.38	1	6.48	1	5.72	1	4.01	1	0.68	1
Max		128	18	7	6.61	19	2.87	21	11.02	21	5.35	21	8.51	21	9.28	21	9.77	21	2.43	21
NumSignificantSites		18	18	18	5	5	0		0		1		0		1		1		0	

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4E

Entry	Name	Pedigree	Across			Grain Yields - Mid-Altitude Humid Warm (Zone A)				Grain Yields - Mid-Altitude Humid Hot (Zone B)							
				Rank		Zamseed	Harare Zim		Msekera Zam		Sussundenga Moz		Mapupulo Moz		Rattray-Arnold Zim		
			RelGY			RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	
			%	Avg	StdDev	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	
Entries with anthesis dates between 71 and 72 days																	
3	ZM725	04SADVL	128	5	3	6	2.43	1	1.11	17	2.57	15	3.75	12	0.98	8	
5	ZM625	ZM625-#	111	7	4	4	1.48	16	1.21	12	3.15	2	4.52	2	1.15	1	
6	ZM627	03SADVI-#-#(Brd)-#	122	8	5	10	2.03	7	1.44	2	2.66	12	3.69	13	1.03	3	
19	07WEEVIL	07WEEVILA/07WEEVILB-#	106	10	4	7	1.71	10	1.07	20	2.69	11	2.75	21	0.86	18	
20	AFRIC1	AFRIC1	102	10	5	9	2.32	3	1.21	13	2.87	5	3.94	7	0.93	14	
21	Local Check	Local Check	98	11	7	2	1.92	8	1.26	6	2.45	18	4.52	3	0.81	20	
11	Strigoff-140	ECA-STRIGOFF-VL-140	89	14	5	15	1.55	11	1.36	4	2.97	4	4.16	4	0.96	9	
Maturity group average			108	9	5	8	1.92	8	1.24	11	2.77	10	3.90	9	0.96	10	
Entries with anthesis dates between 73 and 75 days																	
18	07SADVI	07SADVLA/07SADVLB-#	119	5	3	8	1.19	20	1.16	15	2.83	6	3.96	6	0.98	6	
12	UG1	UG1	116	5	4	1	1.80	9	1.22	11	2.65	13	4.69	1	0.92	16	
2	05SADVI	05SADVI	112	6	5	3	2.07	5	1.62	1	2.71	10	3.67	14	0.98	7	
4	ZM721	ZM721-#	112	8	4	12	2.33	2	1.26	9	3.31	1	3.44	20	0.82	19	
13	Chitedze 6	Chitedze 6	101	10	5	5	2.09	4	1.14	16	2.35	19	3.47	19	0.81	21	
10	Strigoff-129	ECA-STRIGOFF-VL-129	105	11	5	11	1.54	14	1.18	14	2.71	9	3.52	17	0.90	17	
16	VP074	QSyn074	91	13	6	20	2.06	6	1.36	3	2.45	17	3.57	16	0.96	10	
9	Strigoff-128	ECA-STRIGOFF-VL-128	91	14	4	17	1.53	15	1.26	6	2.45	16	3.60	15	1.09	2	
17	VP072	QSyn072	89	14	4	14	1.55	11	1.09	19	2.16	20	3.86	10	0.95	12	
8	Strigoff-126	ECA-STRIGOFF-VL-126	84	15	4	13	0.68	21	1.00	21	2.03	21	3.94	8	0.93	15	
15	VP073	QSyn073	85	15	4	18	1.27	19	1.30	5	2.63	14	3.92	9	0.95	12	
7	Strigoff-125	ECA-STRIGOFF-VL-125	81	16	4	16	1.55	13	1.10	18	2.73	8	4.15	5	0.95	11	
1	Strigoff-133	ECA-STRIGOFF-VL-133	81	16	4	19	1.30	18	1.22	10	2.78	7	3.51	18	0.99	5	
14	VP05199	QSyn051	76	18	4	21	1.44	17	1.26	6	2.97	3	3.81	11	1.01	4	
Maturity group average			96	12	4	13	1.60	12	1.23	11	2.63	12	3.79	12	0.95	11	
Mean			100	11	4	11	1.71	11	1.23	11	2.67	11	3.83	11	0.95	11	
LSD (0.05)			15	4	1	6	1.11	6	0.46	6		6	1.40	6	0.25	6	
Min			76	5	3	1	0.68	1	1.00	1	2.03	1	2.75	1	0.81	1	
Max			128	18	7	21	2.43	21	1.62	21	3.31	21	4.69	21	1.15	21	
NumSignificantSites			18	18	18		0		0		0		0		0		

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4F

Grain Yields - Mid-Altitude Dry (Zone C)

Entry	Name	Across			Across		Malkerns Swa		Umbeluzi Moz		Nampula Moz		Kadoma Zim		Makaholi Zim		Kadoma Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 71 and 72 days																		
3	ZM725	128	5	3	4.09	4	6.09	1	2.02	2	3.99	6	6.55	2	0.12	1	1.89	14
5	ZM625	111	7	4	3.88	6	5.38	5	1.87	9	3.91	7	6.29	3	0.03	19	1.97	13
6	ZM627	122	8	5	3.38	11	3.92	20	2.27	1	3.63	9	4.94	15	0.01	21	2.70	2
19	07WEEVIL	106	10	4	3.66	8	5.34	6	1.82	10	4.06	4	5.27	13	0.03	20	1.98	12
20	AFRIC1	102	10	5	3.75	9	4.79	14	1.03	21	3.50	12	6.68	1	0.06	16	1.81	16
21	Local Check	98	11	7	2.96	17	5.79	2	2.01	4	3.06	15	5.33	11	0.10	5	2.28	7
11	Strigoff-140	89	14	5	3.45	10	4.64	16	1.16	20	3.20	13	5.51	9	0.04	17	1.61	19
Maturity group average		108	9	5	3.59	9	5.13	9	1.74	10	3.62	9	5.80	8	0.05	14	2.03	12
Entries with anthesis dates between 73 and 75 days																		
18	07SADVI	119	5	3	4.04	4	5.42	4	1.99	5	4.71	2	5.90	5	0.07	10	2.47	4
12	UG1	116	5	4	3.93	5	4.82	12	1.60	15	4.26	3	5.86	6	0.04	18	2.91	1
2	05SADVI	112	6	5	3.58	10	5.03	8	1.99	6	3.61	10	5.98	4	0.10	4	2.55	3
4	ZM721	112	8	4	3.99	6	5.77	3	1.39	18	4.90	1	5.70	7	0.09	7	2.00	11
13	Chitedze 6	101	10	5	3.35	12	4.79	13	2.02	3	3.82	8	4.77	17	0.11	2	2.01	10
10	Strigoff-129	105	11	5	3.44	11	4.99	11	1.20	19	3.58	11	4.96	14	0.06	11	1.86	15
16	VP074	91	13	6	3.15	13	4.60	17	1.67	13	2.76	17	4.75	18	0.10	3	2.09	9
9	Strigoff-128	91	14	4	3.19	14	5.08	7	1.70	11	2.70	19	5.35	10	0.07	9	2.29	6
17	VP072	89	14	4	3.11	14	4.30	19	1.98	7	2.84	16	5.30	12	0.06	14	1.75	17
8	Strigoff-126	84	15	4	3.23	14	3.90	21	1.70	12	3.99	5	4.51	20	0.08	8	2.37	5
15	VP073	85	15	4	2.77	15	4.49	18	1.52	16	2.70	18	3.45	21	0.06	12	1.64	18
7	Strigoff-125	81	16	4	3.08	16	5.03	8	1.49	17	2.51	20	5.66	8	0.06	13	2.26	8
1	Strigoff-133	81	16	4	2.93	17	4.72	15	1.64	14	3.10	14	4.89	16	0.09	6	1.43	21
14	VP05199	76	18	4	2.61	19	5.02	10	1.88	8	2.21	21	4.69	19	0.06	15	1.58	20
Maturity group average		96	12	4	3.31	12	4.85	12	1.70	12	3.41	12	5.13	13	0.07	9	2.09	11
Mean		100	11	4	3.41	11	4.95	11	1.71	11	3.48	11	5.35	11	0.07	11	2.07	11
LSD (0.05)		15	4	1	0.62	5	1.37	6	0.78	6	1.20	6	0.87	6	0.07	6	1.34	6
Min		76	5	3	2.61	4	3.90	1	1.03	1	2.21	1	3.45	1	0.01	1	1.43	1
Max		128	18	7	4.09	19	6.09	21	2.27	21	4.90	21	6.68	21	0.12	21	2.91	21
NumSignificantSites		18	18	18	4	4	0		0		1		1		0		0	

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4G

Entry	Name	Across			Grain Yields - Mid-Altitude Dry (Zone C)						Grain Yields - Lowland Tropical Dry (Zone E)						Grain Yield - Highlands (Zone F)	
		RelGY	Rank		Afsf-Arusha Tan		Afsf-Arusha Tan		Potchefstroom Sou		Sebele Bot		Goodhope Bot		Mokonyane Sou		Tsali-Tlama Les	
					GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 71 and 72 days																		
3	ZM725	128	5	3	2.74	1	3.08	8	5.68	1	0.38	19	2.42	13	1.33	2	0.97	7
5	ZM625	111	7	4	2.36	2	2.95	12	4.84	8	0.99	7	3.43	2	0.98	7	1.06	3
6	ZM627	122	8	5	1.87	12	3.09	7	4.03	18	1.03	6	2.56	10	1.17	5	0.86	12
19	07WEEVIL	106	10	4	2.31	3	2.98	11	5.56	2	0.78	11	2.84	6	0.75	15	0.63	21
20	AFRIC1	102	10	5	1.65	17	3.18	4	4.61	14	0.53	17	2.78	7	0.74	16	0.82	13
21	Local Check	98	11	7	1.42	20	2.02	20	4.47	17	0.45	18	2.98	4	1.14	6	1.04	5
11	Strigoff-140	89	14	5	1.96	10	3.13	6	4.85	7	1.41	2	2.33	15	0.69	17	0.90	10
Maturity group average		108	9	5	2.04	9	2.92	10	4.86	10	0.80	11	2.76	8	0.97	10	0.90	10
Entries with anthesis dates between 73 and 75 days																		
18	07SADVI	119	5	3	2.25	7	3.32	2	4.74	10	0.54	16	2.84	5	0.79	12	0.90	11
12	UG1	116	5	4	2.19	8	3.43	1	5.54	3	0.32	20	2.62	9	1.22	4	0.93	9
2	05SADVI	112	6	5	1.70	16	3.01	10	5.47	4	0.72	12	3.40	3	0.88	11	1.00	6
4	ZM721	112	8	4	2.28	5	3.07	9	5.35	5	0.59	15	3.57	1	1.38	1	1.16	1
13	Chitedze 6	101	10	5	1.60	18	3.19	3	4.56	16	1.20	5	2.53	11	0.77	13	0.63	20
10	Strigoff-129	105	11	5	2.29	4	2.91	13	4.64	13	1.52	1	2.17	18	0.67	19	1.04	4
16	VP074	91	13	6	1.95	11	3.15	5	3.74	19	1.27	4	2.41	14	0.68	18	0.81	15
9	Strigoff-128	91	14	4	1.84	13	2.86	14	4.69	11	0.64	13	2.49	12	0.98	8	0.81	14
17	VP072	89	14	4	1.97	9	2.33	19	3.72	21	0.60	14	2.06	20	0.56	21	0.73	17
8	Strigoff-126	84	15	4	1.82	14	2.60	17	5.29	6	1.34	3	2.23	17	0.66	20	0.70	18
15	VP073	85	15	4	2.28	6	2.64	16	3.74	20	0.21	21	2.27	16	0.76	14	0.95	8
7	Strigoff-125	81	16	4	1.49	19	2.67	15	4.77	9	0.90	8	1.39	21	0.89	10	1.07	2
1	Strigoff-133	81	16	4	1.39	21	2.34	18	4.57	15	0.80	10	2.69	8	0.95	9	0.77	16
14	VP05199	76	18	4	1.72	15	1.80	21	4.64	12	0.85	9	2.10	19	1.28	3	0.67	19
Maturity group average		96	12	4	1.91	12	2.81	12	4.68	12	0.82	11	2.49	12	0.89	12	0.87	11
Mean		100	11	4	1.96	11	2.85	11	4.74	11	0.81	11	2.58	11	0.92	11	0.88	11
LSD (0.05)		15	4	1	0.60	6	0.58	6	1.36	6	1.51	6	0.88	6	0.48	6	0.47	6
Min		76	5	3	1.39	1	1.80	1	3.72	1	0.21	1	1.39	1	0.56	1	0.63	1
Max		128	18	7	2.74	21	3.43	21	5.68	21	1.52	21	3.57	21	1.38	21	1.16	21
NumSignificantSites		18	18	18	1		1		0		0		0		0		0	

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4H

Entry	Name	Across			Grain Yields - Managed Drought Stress: Across		Chiredzi Zim		Afsf-Arusha Tan		Save Valley Zim		Grain Yields - Low N stress: Across		Golden Valley Zam	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 71 and 72 days																
3	ZM725	128	5	3	2.02	2	1.41	2	4.03	2	0.62	2	1.03	5	0.39	18
5	ZM625	111	7	4	1.57	10	1.15	9	3.44	7	0.12	13	1.14	4	0.52	10
6	ZM627	122	8	5	1.77	6	1.35	5	3.18	11	0.76	1	1.11	3	0.51	11
19	07WEEVIL	106	10	4	1.38	12	1.01	14	2.78	16	0.37	5	0.90	9	0.61	6
20	AFRIC1	102	10	5	1.84	17	0.69	21	2.99	13	.		0.78	14	0.48	13
21	Local Check	98	11	7	1.23	14	1.30	6	2.32	20	0.07	15	0.97	7	0.58	7
11	Strigoff-140	89	14	5	1.63	7	1.19	8	3.43	8	0.27	6	0.56	18	0.32	19
Maturity group average		108	9	5	1.63	10	1.16	9	3.17	11	0.37	7	0.93	8	0.49	12
Entries with anthesis dates between 73 and 75 days																
18	07SADVI	119	5	3	1.84	6	1.66	1	3.72	5	0.15	11	0.98	7	0.65	4
12	UG1	116	5	4	1.78	7	1.38	4	3.85	4	0.12	12	1.03	7	0.63	5
2	05SADVI	112	6	5	1.86	7	1.38	3	4.15	1	0.03	17	0.98	8	0.52	9
4	ZM721	112	8	4	1.64	8	1.11	11	3.36	9	0.46	4	0.81	13	0.72	1
13	Chitedze 6	101	10	5	1.68	10	1.12	10	3.88	3	0.03	18	0.90	9	0.41	15
10	Strigoff-129	105	11	5	1.79	5	1.21	7	3.61	6	0.57	3	0.75	13	0.31	20
16	VP074	91	13	6	1.11	18	0.87	18	2.50	18	-0.03	19	1.09	4	0.66	3
9	Strigoff-128	91	14	4	1.43	11	1.09	12	3.04	12	0.15	10	0.87	10	0.56	8
17	VP072	89	14	4	1.47	12	0.90	17	3.33	10	0.19	9	0.73	14	0.43	14
8	Strigoff-126	84	15	4	1.14	17	0.98	16	2.40	19	0.04	16	0.55	18	0.70	2
15	VP073	85	15	4	1.31	14	0.80	19	2.93	15	0.20	7	0.61	18	0.31	21
7	Strigoff-125	81	16	4	1.36	14	0.99	15	2.99	14	0.09	14	0.43	20	0.39	17
1	Strigoff-133	81	16	4	1.79	15	1.06	13	2.51	17	.		0.47	18	0.40	16
14	VP05199	76	18	4	1.06	16	0.71	20	2.30	21	0.19	8	0.66	18	0.49	12
Maturity group average		96	12	4	1.52	12	1.09	12	3.18	11	0.17	11	0.78	12	0.51	11
Mean		100	11	4	1.56	11	1.11	11	3.18	11	0.23	10	0.83	11	0.50	11
LSD (0.05)		15	4	1	0.37	5	0.45	6	0.76	6	0.16	6	0.28	6	0.29	6
Min		76	5	3	1.06	2	0.69	1	2.30	1	-0.03	1	0.43	3	0.31	1
Max		128	18	7	2.02	18	1.66	21	4.15	21	0.76	19	1.14	20	0.72	21
NumSignificantSites		18	18	18	3	3	1		1		1		2	2	0	

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4I

Entry	Name	Grain Yields - Low N Stress												Grain Yields - Low pH Stress		Grain Yields - MSV			
		Across			Across		Harare Zim		Harare Zim		Rattray-Arnold Zim		Kasama Zam			Across		Harare Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo		GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#		t/ha	#	t/ha	#
Entries with anthesis dates between 71 and 72 days																			
3	ZM725	128	5	3	1.03	5	1.00	3	1.05	7	0.64	11	1.08	17		7.92	2	7.92	2
5	ZM625	111	7	4	1.14	4	1.03	2	1.26	5	0.52	21	1.41	5		6.92	5	6.92	5
6	ZM627	122	8	5	1.11	3	0.92	4	1.31	1	0.66	6	1.60	1		6.54	9	6.54	9
19	07WEEVIL	106	10	4	0.90	9	0.83	8	0.97	9	0.62	14	1.31	8		5.66	15	5.66	15
20	AFRIC1	102	10	5	0.78	14	0.82	9	0.75	18	0.61	15	1.45	4		6.01	13	6.01	13
21	Local Check	98	11	7	0.97	7	1.03	1	0.92	13	0.72	1	1.46	3		8.46	1	8.46	1
11	Strigoff-140	89	14	5	0.56	18	0.32	19	0.80	16	0.61	16	1.09	16		4.86	18	4.86	18
Maturity group average		108	9	5	0.93	8	0.85	7	1.01	10	0.63	12	1.34	8		6.62	9	6.62	9
Entries with anthesis dates between 73 and 75 days																			
18	07SADVI	119	5	3	0.98	7	0.85	7	1.11	6	0.68	4	1.28	10		6.65	8	6.65	8
12	UG1	116	5	4	1.03	7	0.80	10	1.26	4	0.66	6	1.47	2		6.50	10	6.50	10
2	05SADVI	112	6	5	0.98	8	0.68	13	1.27	3	0.69	3	0.97	20		7.54	3	7.54	3
4	ZM721	112	8	4	0.81	13	0.67	14	0.95	11	0.71	2	1.13	14		6.75	6	6.75	6
13	Chitedze 6	101	10	5	0.90	9	0.85	6	0.95	12	0.63	13	1.30	9		7.44	4	7.44	4
10	Strigoff-129	105	11	5	0.75	13	0.71	11	0.80	15	0.65	9	1.39	7		2.91	21	2.91	21
16	VP074	91	13	6	1.09	4	0.90	5	1.29	2	0.58	19	1.12	15		6.20	12	6.20	12
9	Strigoff-128	91	14	4	0.87	10	0.68	12	1.05	8	0.59	18	0.82	21		4.21	20	4.21	20
17	VP072	89	14	4	0.73	14	0.50	17	0.96	10	0.65	9	1.16	13		6.71	7	6.71	7
8	Strigoff-126	84	15	4	0.55	18	0.34	18	0.76	17	0.65	8	1.02	18		5.61	16	5.61	16
15	VP073	85	15	4	0.61	18	0.52	16	0.70	19	0.68	5	1.41	6		5.20	17	5.20	17
7	Strigoff-125	81	16	4	0.43	20	0.18	20	0.68	20	0.57	20	1.26	11		4.55	19	4.55	19
1	Strigoff-133	81	16	4	0.47	18	0.03	21	0.91	14	0.60	17	1.24	12		5.69	14	5.69	14
14	VP05199	76	18	4	0.66	18	0.64	15	0.68	21	0.64	11	1.02	19		6.33	11	6.33	11
Maturity group average		96	12	4	0.78	12	0.60	13	0.96	12	0.64	10	1.18	13		5.88	12	5.88	12
Mean		100	11	4	0.83	11	0.68	11	0.97	11	0.64	11	1.24	11		6.13	11	6.13	11
LSD (0.05)		15	4	1	0.28	6	0.47	6	0.30	6	0.14	6	0.50	6		1.97	6	1.53	6
Min		76	5	3	0.43	3	0.03	1	0.68	1	0.52	1	0.82	1		2.91	1	2.91	1
Max		128	18	7	1.14	20	1.03	21	1.31	21	0.72	21	1.60	21		8.46	21	8.46	21
NumSignificantSites		18	18	18	2	2	1		1		0		0			1	1	1	

ILPOP08: Results of evaluation of intermediate to late maturing OPVs from CIMMYT and Malawi across 51 sites in eastern and southern Africa, 2007/08.

TABLE 4J

Entry	Name	Pedigree	Across			Grain Yields - Mid Altitude Central Africa								Grain Yields - Mega environments unknown			
				Across				Kiniameshi Dem		Kasinga Dem		Kipopo Dem		Moz		Francistown Bot	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 71 and 72 days																	
3	ZM725	04SADVL	128	5	3	4.95	3	2.14	16	3.11	2	6.80	3	7.07	6	1.45	3
5	ZM625	ZM625-#	111	7	4	4.16	12	3.79	5	2.73	10	5.59	13	7.37	4	1.66	1
6	ZM627	03SADVI-#-#(Brd)-#	122	8	5	4.11	10	1.52	21	3.07	4	5.16	16	6.55	11	0.94	18
19	07WEEVIL	07WEEVILA/07WEEVILB-#	106	10	4	4.31	8	1.84	18	2.85	5	5.77	11	6.17	15	1.30	4
20	AFRIC1	AFRIC1	102	10	5	3.98	12	2.67	11	2.74	9	5.21	15	6.41	12	1.21	7
21	Local Check	Local Check	98	11	7	3.51	16	3.19	8	2.61	12	4.41	19	5.55	21	1.18	11
11	Strigoff-140	ECA-STRIGOFF-VL-140	89	14	5	3.47	18	2.67	12	2.19	17	4.75	18	7.44	2	0.98	17
Maturity group average			108	9	5	4.07	11	2.55	13	2.76	8	5.38	14	6.65	10	1.24	9
Entries with anthesis dates between 73 and 75 days																	
18	07SADVI	07SADVLA/07SADVLB-#	119	5	3	5.53	1	2.39	14	3.24	1	7.82	1	7.31	5	1.22	6
12	UG1	UG1	116	5	4	5.05	5	4.39	3	2.81	7	7.29	2	7.54	1	1.16	12
2	05SADVI	05SADVI	112	6	5	4.84	4	3.29	6	3.11	3	6.58	4	6.87	8	1.20	8
4	ZM721	ZM721-#	112	8	4	4.36	9	3.25	7	2.71	11	6.01	7	7.37	3	1.01	14
13	Chitedze 6	Chitedze 6	101	10	5	4.35	8	4.92	1	2.81	6	5.88	9	7.01	7	1.50	2
10	Strigoff-129	ECA-STRIGOFF-VL-129	105	11	5	4.39	10	4.05	4	2.43	15	6.36	5	6.84	9	0.71	21
16	VP074	QSyn074	91	13	6	4.23	11	2.70	10	2.47	14	5.99	8	6.36	13	1.18	10
9	Strigoff-128	ECA-STRIGOFF-VL-128	91	14	4	2.74	20	2.31	15	2.10	19	3.39	21	6.30	14	1.01	15
17	VP072	QSyn072	89	14	4	3.47	18	1.81	19	1.69	21	5.25	14	5.89	17	0.90	20
8	Strigoff-126	ECA-STRIGOFF-VL-126	84	15	4	4.19	12	2.11	17	2.60	13	5.77	10	6.67	10	1.07	13
15	VP073	QSyn073	85	15	4	3.92	15	2.59	13	2.11	18	5.72	12	5.88	18	1.01	16
7	Strigoff-125	ECA-STRIGOFF-VL-125	81	16	4	3.95	13	4.45	2	2.75	8	5.16	17	5.81	19	1.24	5
1	Strigoff-133	ECA-STRIGOFF-VL-133	81	16	4	4.26	11	2.82	9	2.19	16	6.33	6	5.80	20	1.19	9
14	VP05199	QSyn051	76	18	4	2.68	20	1.65	20	1.72	20	3.64	20	6.16	16	0.92	19
Maturity group average			96	12	4	4.14	11	3.05	10	2.48	12	5.80	10	6.56	11	1.09	12
Mean			100	11	4	4.12	11	2.88	11	2.57	11	5.66	11	6.59	11	1.14	11
LSD (0.05)			15	4	1	0.82	5	1.81	6	0.79	6	1.44	6	1.32	6	0.48	6
Min			76	5	3	2.68	1	1.52	1	1.69	1	3.39	1	5.55	1	0.71	1
Max			128	18	7	5.53	20	4.92	21	3.24	21	7.82	21	7.54	21	1.66	21
NumSignificantSites			18	18	18	2	2	0		1		1		0		0	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5C

Grain Yields - Mid-Altitude East Africa

Entry	Name	Pedigree	Across			Across		Wad Medani Sud		Melkasa Eth		Rahad Res Sud	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days													
62	CZH0743	CZL0723/CZL0724//CZL0722	84	46	16	4.99	54	3.18	61	8.69	59	3.11	41
34	CZH04012	CZL04008/CZL04009//CZL0722	83	47	16	4.43	63	3.18	62	8.00	63	2.11	63
61	CZH0742	CZL0721/CZL0724//CZL0722	83	48	15	5.01	53	3.52	51	8.71	58	2.80	50
60	CZH0741	CZL0721/CZL0723//CZL0722	82	48	16	4.50	59	3.36	54	7.71	65	2.42	59
35	CZH071	CZL04008/CZL04008//CZH0512	84	48	16	4.76	59	2.98	64	8.62	60	2.69	52
Maturity group average			83	47	16	4.74	57	3.24	58	8.35	61	2.63	53
Entries with anthesis dates between 62 an 64 days													
53	CZH0734	CZL03014/CML442//CZL04002	99	34	16	5.67	48	3.26	58	10.60	48	3.14	38
54	CZH0735	CZL0717/CZL0718//CML509/CML505	96	35	14	5.78	39	3.82	40	10.08	50	3.42	26
56	CZH0737	CZL0523/CZL0720//CZL0717/CZL0718	95	36	17	5.64	41	3.61	50	9.79	52	3.52	21
55	CZH0736	CZL04008/CZL0719//CZL0717/CZL0718	86	45	15	5.23	45	3.79	42	8.74	57	3.16	37
58	CZH0739	CZL0723/CZL0719//CZL0722	83	47	14	4.76	53	3.82	38	9.01	56	1.46	65
57	CZH0738	CZL0719/CZL0721//CZL0722	78	51	13	5.09	45	3.46	52	8.28	61	3.52	22
59	CZH0740	CZL0719/CZL0724//CZL0722	74	53	12	4.81	54	3.27	57	8.09	62	3.06	42
Maturity group average			87	43	14	5.28	46	3.58	48	9.23	55	3.04	36
Entries with anthesis dates between 65 and 67 days													
21	CZH0613	CML312/CML440//CZL0610	116	22	18	6.78	21	5.14	3	11.40	47	3.80	14
49	CZH0524	CML395/CZL0520//CZL00009	114	23	15	6.62	43	3.67	47	13.67	25	2.52	56
20	CZH0615	CZL00003/CML488//CZL03014	109	24	12	7.33	15	4.87	5	12.57	37	4.54	4
64	CZH0746	CZL0713/CZL077//CZL03014	103	29	15	6.94	23	4.94	4	12.56	38	3.33	27
51	CZH0731	CML312/CML442//CZL0715	101	33	16	6.95	31	4.44	18	13.48	28	2.93	47
52	CZH0732	CZL03014/CML442//CZL0716	100	36	17	6.41	39	4.37	21	12.57	36	2.30	61
1	WH 105	WH 105	92	39	15	6.73	30	3.91	35	12.82	33	3.47	23
36	CZH04003	CML312/CML442//CZL04003	90	43	15	4.72	55	3.68	46	7.92	64	2.57	54
6	Pan 4M-19	Pan 4M-19	84	45	15	6.34	41	3.25	59	12.30	41	3.46	24
16	SC415	SC415	83	48	16	5.38	46	4.30	23	9.49	54	2.35	60
37	CZH04002	CML312/CML442//CZL04002	82	48	14	5.25	57	3.25	60	10.33	49	2.18	62
Maturity group average			98	36	15	6.31	37	4.17	29	11.74	41	3.04	39
Entries with anthesis dates between 68 and 70 days													
30	CZH0728	CML312/CML443//CZL0713	122	16	14	7.17	28	4.39	20	14.29	16	2.85	49
23	CZH0616	CML312/CML443//CZL0610	119	17	15	6.76	30	4.31	22	12.77	34	3.21	34
31	CZH0724	CML312/CML442//CZL0713	117	18	15	8.42	16	4.15	28	17.53	1	3.58	19
19	AFG4663	AFG4663	119	19	17	8.02	10	4.63	12	15.55	6	3.89	12
4	013WH29	013WH29	113	20	15	8.24	11	4.26	26	15.74	4	4.71	3
44	CZH0536	CZL0517/CZL04021//CML181	112	21	14	7.06	21	4.44	17	13.14	30	3.60	17
24	CZH0610	CML312/CML444//CML445/CML488	113	22	16	7.29	32	3.73	44	15.12	10	3.03	43
7	Pan 53	Pan 53	110	23	19	8.02	11	4.45	16	15.40	8	4.21	8
18	AFG4611	AFG4611	113	24	19	7.43	30	3.71	45	15.44	7	3.14	39
25	CZH0720	CZL0710/CZL0711//CZL02012	111	24	15	6.84	37	3.93	34	14.10	19	2.47	57
32	CZH0729	CML312/CZL00001//CZL0713	108	24	16	8.20	13	4.75	8	16.55	2	3.30	29
48	CZH0535	CML444/CML395//CZL0514	110	24	15	7.52	25	3.89	37	15.35	9	3.31	28
33	CZH0727	CML312/CML443//CZL076	112	25	17	6.98	21	4.55	13	12.86	31	3.54	20
22	CZH01008	CML443/CML444//CZL00003	107	25	16	7.18	23	4.11	31	13.51	27	3.94	10
45	CZH0521	CZL0517/CZL04021//CML181/CZL01005	108	25	19	7.22	24	3.80	41	13.93	21	3.93	11
46	CZH03005	CML395/CML444//CML508	109	26	16	7.00	25	4.14	30	12.48	39	4.37	6
38	CZH04032	CML181/CZL01005//CML511	108	27	16	7.36	23	5.14	2	14.02	20	2.91	48
42	CZH04005	CML395/CML444//CML509/CML505	103	29	14	7.27	26	4.10	32	14.46	13	3.25	32
47	CZH0526	CML312/CML395//CZL0521	105	29	17	7.04	20	4.87	6	12.65	35	3.59	18
43	CZH0530	CML312/CML504//CML488	102	33	19	7.82	10	4.71	10	14.43	14	4.32	7
15	SC531	SC531	99	33	17	7.28	18	4.73	9	12.26	42	4.83	2
3	WH002	WH002	100	33	17	6.81	35	3.90	36	13.55	26	2.99	44
11	ZMS 526	ZMS 526	99	33	17	7.17	27	4.14	29	14.13	18	3.25	33
10	Pan 7M-97	Pan 7M-97	98	33	19	5.65	40	3.41	53	9.90	51	3.65	15
63	CZH0744	CZL03014/CML442//CZL0512	103	34	18	6.71	28	4.52	14	12.37	40	3.25	31
41	CZH066	CML144/CZL067//CML511	97	34	16	7.53	17	4.28	24	13.91	22	4.40	5
12	ZMS 508	ZMS 508	97	35	16	6.54	46	2.92	65	14.14	17	2.56	55
5	013WH30	013WH30	95	35	19	5.58	41	4.40	19	9.63	53	2.71	51
39	CZH065	CML144/CZL067//CML181	98	35	14	6.22	41	4.05	33	11.65	44	2.97	45
14	30D79	30D79	92	37	20	7.61	23	3.66	48	15.00	11	4.16	9
40	CZH064	CML144/CML159//CZL066	96	37	16	6.80	38	3.32	55	13.91	23	3.18	36
13	30G97	30G97	94	38	18	6.14	42	3.82	39	11.47	46	3.13	40
65	Local Check	Local Check	90	39	19	7.17	20	4.45	15	11.56	45	5.51	1
50	CZH0730	CML509/CML505//CZL0714	93	40	15	6.21	39	3.73	43	11.65	43	3.26	30
9	Pan 77	Pan 77	93	41	17	6.14	51	3.12	63	12.85	32	2.45	58
17	SC411	SC411	79	50	13	5.40	42	3.28	56	9.29	55	3.64	16
Maturity group average			104	29	17	7.05	27	4.11	30	13.52	25	3.53	27
Entries with anthesis dates greater than 70 days													
27	CZH0724	CML312/CML442//CZL0713	117	20	15	7.71	22	4.21	27	15.73	5	3.19	35
28	CZH0726	CML312/CZL00001//CZL076	116	21	16	6.87	33	4.27	25	13.39	29	2.95	46
29	CZH0727	CML312/CML443//CZL076	111	24	17	6.98	29	4.63	11	13.68	24	2.63	53
26	CZH0722	CZL0712/CZL0617//CML395	108	24	16	7.76	15	4.82	7	15.00	12	3.46	25
2	WH 403	WH 403	105	27	15	8.61	6	6.05	1	15.94	3	3.84	13
8	Pan 63	Pan 63	100	30	19	6.62	43	3.65	49	14.41	15	1.81	64
Maturity group average			109	24	16	7.43	25	4.61	20	14.69	15	2.98	39
Mean			100	33	16	6.59	33	4.04	33	12.46	33	3.27	33
LSD (0.05)			12	10	2	0.90	14	1.09	19	2.00	19	1.44	19
Min			74	16	12	4.43	6	2.92	1	7.71	1	1.46	1
Max			122	53	20	8.61	63	6.05	65	17.53	65	5.51	65
NumSignificantSites			**47**	**47**	**47**	**3**	**3**	**1**		**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5D

Grain Yields - Mid-Altitude Humid Warm (Zone A)

Entry	Name	Across			Across		Golden Valley Zam		Mount Makulu Zam		Lichinga Moz		Harare Zim		Chitedze Mal	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																
62	CZH0743	84	46	16	4.31	46	1.03	36	4.33	52	5.57	15	4.81	60	3.47	50
34	CZH04012	83	47	16	3.87	55	0.60	62	3.83	61	3.65	52	5.31	53	3.11	58
61	CZH0742	83	48	15	4.78	42	0.96	40	4.76	38	6.41	4	6.09	49	3.70	46
60	CZH0741	82	48	16	4.14	50	0.86	51	3.69	63	3.09	61	7.24	26	2.09	64
35	CZH071	84	48	16	4.06	49	1.31	19	3.77	62	3.15	60	7.35	25	2.68	62
Maturity group average		83	47	16	4.23	49	0.95	42	4.08	55	4.37	38	6.16	43	3.01	56
Entries with anthesis dates between 62 an 64 days																
53	CZH0734	99	34	16	4.71	40	1.02	37	4.96	36	3.76	49	6.87	34	4.11	38
54	CZH0735	96	35	14	5.12	35	1.39	16	5.46	16	3.33	58	6.51	41	4.10	39
56	CZH0737	95	36	17	4.89	32	1.59	4	4.66	42	4.96	25	5.65	52	3.38	52
55	CZH0736	86	45	15	4.46	49	0.80	56	4.41	48	5.04	22	5.11	56	3.20	55
58	CZH0739	83	47	14	4.06	52	0.82	55	3.99	58	4.17	43	4.93	58	2.89	61
57	CZH0738	78	51	13	3.68	57	0.85	53	3.65	64	3.20	59	5.02	57	2.04	65
59	CZH0740	74	53	12	4.09	54	0.78	58	3.45	65	3.61	55	5.28	54	3.14	57
Maturity group average		87	43	14	4.43	46	1.04	40	4.37	47	4.01	44	5.62	50	3.27	52
Entries with anthesis dates between 65 and 67 days																
21	CZH0613	116	22	18	5.30	26	1.41	14	5.35	20	4.39	40	4.65	61	4.96	14
49	CZH0524	114	23	15	5.82	25	1.07	31	5.47	15	5.33	17	10.50	2	3.80	45
20	CZH0615	109	24	12	5.51	26	1.14	28	4.97	35	4.81	31	7.76	19	5.83	4
64	CZH0746	103	29	15	5.23	33	1.53	10	4.57	45	4.69	32	7.18	27	5.54	8
51	CZH0731	101	33	16	5.06	35	0.95	43	4.39	49	3.64	53	6.89	33	4.87	20
52	CZH0732	100	36	17	5.20	34	1.24	24	5.39	19	3.08	62	9.43	6	4.67	23
1	WH 105	92	39	15	4.85	39	0.48	63	5.23	26	3.45	57	6.21	46	3.57	48
36	CZH04003	90	43	15	4.16	44	1.18	26	4.91	37	3.61	54	3.02	64	4.20	34
6	Pan 4M-19	84	45	15	4.70	46	0.77	59	4.67	41	4.34	42	6.92	32	2.95	59
16	SC415	83	48	16	4.01	52	0.89	48	4.30	54	4.35	41	2.83	65	2.92	60
37	CZH04002	82	48	14	4.10	53	0.93	46	3.96	59	4.97	24	4.84	59	4.19	35
Maturity group average		98	36	15	4.90	38	1.05	36	4.84	36	4.24	41	6.38	38	4.32	32
Entries with anthesis dates between 68 and 70 days																
30	CZH0728	122	16	14	6.35	9	2.19	1	5.41	18	6.33	5	9.31	7	5.18	10
23	CZH0616	119	17	15	5.90	18	1.23	25	6.96	1	5.19	20	7.52	23	5.66	7
31	CZH0724	117	18	15	6.04	14	1.58	5	5.24	24	4.83	29	7.69	20	5.10	11
19	AFG4663	119	19	17	5.79	17	2.12	2	6.18	3	5.27	19	6.11	48	4.87	19
4	013WH29	113	20	15	5.66	19	1.47	13	5.72	8	5.03	23	5.16	55	4.11	37
44	CZH0536	112	21	14	5.88	16	1.55	7	5.71	9	5.68	12	9.24	9	4.93	17
24	CZH0610	113	22	16	5.91	21	0.83	54	5.33	21	6.60	3	9.19	10	4.35	31
7	Pan 53	110	23	19	5.63	23	1.30	21	5.67	10	4.14	44	8.44	14	5.87	2
18	AFG4611	113	24	19	5.76	20	1.06	33	5.99	4	6.08	7	8.72	12	5.42	9
25	CZH0720	111	24	15	5.71	26	1.01	38	4.74	39	5.89	9	9.56	4	4.68	22
32	CZH0729	108	24	16	5.60	26	0.85	52	5.24	25	5.07	21	7.65	21	4.96	15
48	CZH0535	110	24	15	5.39	29	1.41	15	4.62	43	5.60	13	7.07	28	4.58	26
33	CZH0727	112	25	17	6.02	18	1.35	17	5.88	5	6.92	2	6.63	40	6.44	1
22	CZH01008	107	25	16	5.81	28	0.80	57	5.14	29	4.50	38	11.87	1	4.62	25
45	CZH0521	108	25	19	5.93	16	1.55	6	5.74	7	2.82	65	9.30	8	5.86	3
46	CZH03005	109	26	16	5.24	33	1.88	3	5.26	23	4.06	45	6.82	36	5.06	12
38	CZH04032	108	27	16	5.30	28	1.15	27	5.44	17	3.83	48	7.01	29	4.45	29
42	CZH04005	103	29	14	5.58	24	1.04	35	5.22	27	4.52	35	6.40	43	4.43	30
47	CZH0526	105	29	17	5.43	29	0.96	42	5.03	33	3.75	50	8.56	13	4.26	33
43	CZH0530	102	33	19	4.90	35	1.33	18	3.85	60	2.99	63	5.81	51	3.88	44
15	SC531	99	33	17	5.22	32	1.49	11	5.13	30	4.89	28	6.32	44	4.10	40
3	WH002	100	33	17	5.20	36	0.96	41	5.88	6	4.02	46	9.83	3	3.15	56
11	ZMS 526	99	33	17	5.13	39	0.87	50	4.73	40	5.31	18	7.00	30	3.39	51
10	Pan 7M-97	98	33	19	5.28	33	0.19	65	4.19	56	4.65	33	8.09	16	4.00	41
63	CZH0744	103	34	18	4.79	38	0.97	39	4.10	57	3.66	51	4.60	62	4.80	21
41	CZH066	97	34	16	4.98	37	0.88	49	4.53	47	4.40	39	6.86	35	4.28	32
12	ZMS 508	97	35	16	5.31	31	1.54	9	5.00	34	4.93	26	6.68	39	4.12	36
5	013WH30	95	35	19	5.67	26	1.09	30	5.57	13	6.05	8	6.18	47	3.98	42
39	CZH065	98	35	14	5.11	36	0.77	60	5.06	31	4.83	30	6.76	37	4.90	18
14	30D79	92	37	20	5.31	29	0.41	64	5.14	28	5.57	14	8.10	15	4.93	16
40	CZH064	96	37	16	4.85	44	0.89	47	4.37	50	3.92	47	6.72	38	3.23	54
13	30G97	94	38	18	5.06	32	1.31	20	6.29	2	6.25	6	4.25	63	4.47	27
65	Local Check	90	39	19	4.77	40	0.95	44	4.27	55	4.51	36	6.92	31	2.60	63
50	CZH0730	93	40	15	4.85	40	1.14	29	4.54	46	5.88	10	6.23	45	3.54	49
9	Pan 77	93	41	17	4.99	37	1.07	32	4.59	44	4.57	34	7.64	22	3.36	53
17	SC411	79	50	13	4.30	51	1.05	34	4.36	51	2.91	64	5.97	50	3.93	43
Maturity group average		104	29	17	5.41	29	1.17	30	5.17	28	4.87	29	7.39	29	4.49	28
Entries with anthesis dates greater than 70 days																
27	CZH0724	117	20	15	5.78	19	1.54	8	5.66	11	4.93	27	8.04	17	5.66	6
28	CZH0726	116	21	16	5.80	19	1.29	23	5.53	14	6.99	1	6.51	42	4.63	24
29	CZH0727	111	24	17	5.71	24	1.48	12	5.06	32	5.78	11	7.38	24	5.78	5
26	CZH0722	108	24	16	5.75	24	0.94	45	5.59	12	4.51	37	8.75	11	4.46	28
2	WH 403	105	27	15	5.48	27	1.30	22	5.31	22	3.52	56	7.97	18	4.97	13
8	Pan 63	100	30	19	6.01	24	0.70	61	4.31	53	5.50	16	9.53	5	3.63	47
Maturity group average		109	24	16	5.75	23	1.21	29	5.24	24	5.20	25	8.03	20	4.85	21
Mean		100	33	16	5.16	33	1.12	33	4.95	33	4.67	33	7.00	33	4.25	33
LSD (0.05)		12	10	2	0.49	12	0.67	19	1.17	19	2.15	19	2.98	19	1.19	19
Min		74	16	12	3.68	9	0.19	1	3.45	1	2.82	1	2.83	1	2.04	1
Max		122	53	20	6.35	57	2.19	65	6.96	65	6.99	65	11.87	65	6.44	65
NumSignificantSites		**47**	**47**	**47**	**12**	**12**	**1**		**1**		**1**		**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5E

Grain Yields - Mid-Altitude Humid Warm (Zone A)

Entry	Name	Across			Across		Chitedze Mal		Bolero Mal		Greytown Sou		ART Farm Harare Zim		Mpongwe Zam		Africa University Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																		
62	CZH0743	84	46	16	4.31	46	3.47	50	4.66	52	0.21	36	6.30	59	6.83	58	8.69	45
34	CZH04012	83	47	16	3.87	55	3.11	58	4.47	54	0.16	54	6.24	60	6.82	59	7.16	64
61	CZH0742	83	48	15	4.78	42	3.70	46	5.80	30	0.14	60	8.72	35	6.86	57	8.28	55
60	CZH0741	82	48	16	4.14	50	2.09	64	4.73	51	0.14	60	6.17	62	6.23	62	8.53	47
35	CZH071	84	48	16	4.06	49	2.68	62	5.83	26	0.18	48	6.18	61	6.95	55	6.69	65
Maturity group average		83	47	16	4.23	49	3.01	56	5.10	43	0.16	52	6.72	55	6.74	58	7.87	55
Entries with anthesis dates between 62 an 64 days																		
53	CZH0734	99	34	16	4.71	40	4.11	38	5.35	40	0.18	43	7.91	50	6.37	60	9.33	34
54	CZH0735	96	35	14	5.12	35	4.10	39	5.75	32	0.13	63	8.70	36	9.62	35	9.46	31
56	CZH0737	95	36	17	4.89	32	3.38	52	5.85	25	0.25	13	7.18	57	8.35	49	9.47	30
55	CZH0736	86	45	15	4.46	49	3.20	55	5.75	34	0.16	55	7.20	56	8.88	44	8.47	49
58	CZH0739	83	47	14	4.06	52	2.89	61	4.53	53	0.17	49	5.89	65	7.05	54	8.78	44
57	CZH0738	78	51	13	3.68	57	2.04	65	4.75	50	0.14	62	6.13	63	4.14	65	8.98	42
59	CZH0740	74	53	12	4.09	54	3.14	57	4.94	46	0.15	58	6.78	58	6.26	61	8.25	56
Maturity group average		87	43	14	4.43	46	3.27	52	5.28	40	0.17	49	7.11	55	7.24	53	8.96	41
Entries with anthesis dates between 65 and 67 days																		
21	CZH0613	116	22	18	5.30	26	4.96	14	4.12	59	0.25	13	9.26	27	9.54	36	11.85	2
49	CZH0524	114	23	15	5.82	25	3.80	45	6.19	15	0.22	29	10.11	12	10.02	30	11.28	6
20	CZH0615	109	24	12	5.51	26	5.83	4	5.48	37	0.22	29	8.70	37	8.91	43	10.14	20
64	CZH0746	103	29	15	5.23	33	5.54	8	6.26	11	0.15	58	9.01	31	8.65	46	9.84	25
51	CZH0731	101	33	16	5.06	35	4.87	20	4.35	56	0.22	29	8.74	34	10.27	25	9.04	40
52	CZH0732	100	36	17	5.20	34	4.67	23	4.22	57	0.18	44	7.86	52	10.15	26	9.35	33
1	WH 105	92	39	15	4.85	39	3.57	48	6.86	4	0.23	21	8.61	38	8.33	50	9.10	38
36	CZH04003	90	43	15	4.16	44	4.20	34	6.12	18	0.15	56	7.47	54	4.59	64	8.10	60
6	Pan 4M-19	84	45	15	4.70	46	2.95	59	4.83	48	0.17	49	7.93	49	8.26	52	9.38	32
16	SC415	83	48	16	4.01	52	2.92	60	3.64	65	0.17	49	6.06	64	8.40	48	8.42	53
37	CZH04002	82	48	14	4.10	53	4.19	35	3.85	63	0.07	65	7.24	55	5.67	63	8.13	57
Maturity group average		98	36	15	4.90	38	4.32	32	5.08	39	0.18	40	8.27	41	8.44	44	9.51	33
Entries with anthesis dates between 68 and 70 days																		
30	CZH0728	122	16	14	6.35	9	5.18	10	6.83	5	0.25	13	10.11	13	12.34	4	9.93	24
23	CZH0616	119	17	15	5.90	18	5.66	7	6.13	17	0.34	1	10.30	11	10.32	21	11.32	5
31	CZH0724	117	18	15	6.04	14	5.10	11	5.89	24	0.25	13	9.54	23	12.47	3	11.61	3
19	AFG4663	119	19	17	5.79	17	4.87	19	6.11	19	0.29	2	8.57	39	11.88	8	10.17	19
4	013WH29	113	20	15	5.66	19	4.11	37	6.16	16	0.25	13	10.96	3	10.67	16	10.70	11
44	CZH0536	112	21	14	5.88	16	4.93	17	5.99	21	0.23	21	9.43	26	10.79	13	9.30	35
24	CZH0610	113	22	16	5.91	21	4.35	31	5.16	42	0.23	26	9.88	17	10.72	14	10.74	10
7	Pan 53	110	23	19	5.63	23	5.87	2	5.60	36	0.23	21	9.73	18	12.87	1	9.08	39
18	AFG4611	113	24	19	5.76	20	5.42	9	6.73	6	0.24	18	9.13	30	9.86	33	10.25	18
25	CZH0720	111	24	15	5.71	26	4.68	22	7.66	1	0.23	26	8.40	42	9.89	32	10.11	21
32	CZH0729	108	24	16	5.60	26	4.96	15	6.50	8	0.21	34	10.92	4	10.65	18	8.44	51
48	CZH0535	110	24	15	5.39	29	4.58	26	5.02	44	0.22	29	10.41	10	9.53	37	10.32	15
33	CZH0727	112	25	17	6.02	18	6.44	1	5.96	23	0.23	21	9.90	16	11.91	6	8.44	50
22	CZH01008	107	25	16	5.81	28	4.62	25	5.27	41	0.26	10	8.80	33	11.51	9	10.47	13
45	CZH0521	108	25	19	5.93	16	5.86	3	5.82	27	0.26	10	10.00	15	11.90	7	10.43	14
46	CZH03005	109	26	16	5.24	33	5.06	12	5.45	39	0.18	44	8.51	40	10.28	23	10.27	17
38	CZH04032	108	27	16	5.30	28	4.45	29	6.05	20	0.25	12	10.79	7	9.32	40	8.06	61
42	CZH04005	103	29	14	5.58	24	4.43	30	5.80	29	0.28	5	11.05	2	10.29	22	11.06	8
47	CZH0526	105	29	17	5.43	29	4.26	33	5.75	33	0.28	5	10.08	14	9.84	34	10.03	22
43	CZH0530	102	33	19	4.90	35	3.88	44	3.71	64	0.27	8	9.56	22	10.28	24	9.81	26
15	SC531	99	33	17	5.22	32	4.10	40	6.21	13	0.20	39	9.44	25	9.19	41	10.90	9
3	WH002	100	33	17	5.20	36	3.15	56	4.03	61	0.17	52	9.18	28	10.65	17	8.36	54
11	ZMS 526	99	33	17	5.13	39	3.39	51	4.09	60	0.15	56	7.57	53	12.58	2	10.31	16
10	Pan 7M-97	98	33	19	5.28	33	4.00	41	6.23	12	0.23	21	8.28	44	9.91	31	11.42	4
63	CZH0744	103	34	18	4.79	38	4.80	21	6.37	10	0.20	39	8.18	47	8.47	47	9.23	36
41	CZH066	97	34	16	4.98	37	4.28	32	4.85	47	0.28	3	8.35	43	10.15	27	9.00	41
12	ZMS 508	97	35	16	5.31	31	4.12	36	5.81	28	0.22	33	8.97	32	11.18	11	10.03	23
5	013WH30	95	35	19	5.67	26	3.98	42	6.94	3	0.18	44	9.69	19	10.70	15	12.06	1
39	CZH065	98	35	14	5.11	36	4.90	18	5.03	43	0.20	38	8.23	46	9.50	38	8.50	48
14	30D79	92	37	20	5.31	29	4.93	16	4.00	62	0.27	8	9.15	29	11.41	10	7.63	63
40	CZH064	96	37	16	4.85	44	3.23	54	5.47	38	0.17	52	9.52	24	9.44	39	8.00	62
13	30G97	94	38	18	5.06	32	4.47	27	5.61	35	0.28	3	7.99	48	8.99	42	9.78	27
65	Local Check	90	39	19	4.77	40	2.60	63	5.02	45	0.28	5	10.45	9	7.67	53	8.56	46
50	CZH0730	93	40	15	4.85	40	3.54	49	4.81	49	0.21	34	8.43	41	8.31	51	8.12	59
9	Pan 77	93	41	17	4.99	37	3.36	53	7.09	2	0.23	26	7.88	51	8.79	45	8.97	43
17	SC411	79	50	13	4.30	51	3.93	43	4.15	58	0.12	64	8.24	45	6.89	56	8.13	58
Maturity group average		104	29	17	5.41	29	4.49	28	5.65	30	0.23	24	9.32	27	10.31	25	9.71	29
Entries with anthesis dates greater than 70 days																		
27	CZH0724	117	20	15	5.78	19	5.66	6	5.97	22	0.24	18	9.59	21	10.06	29	9.73	28
28	CZH0726	116	21	16	5.80	19	4.63	24	6.19	14	0.24	18	10.56	8	10.57	19	9.65	29
29	CZH0727	111	24	17	5.71	24	5.78	5	4.36	55	0.21	36	11.86	1	10.80	12	9.21	37
26	CZH0722	108	24	16	5.75	24	4.46	28	6.38	9	0.20	39	10.87	5	10.12	28	10.51	12
2	WH 403	105	27	15	5.48	27	4.97	13	5.78	31	0.18	44	9.63	20	10.43	20	8.43	52
8	Pan 63	100	30	19	6.01	24	3.63	47	6.67	7	0.19	42	10.80	6	12.04	5	11.17	7
Maturity group average		109	24	16	5.75	23	4.85	21	5.89	23	0.21	33	10.55	10	10.67	19	9.78	28
Mean		100	33	16	5.16	33	4.25	33	5.49	33	0.21	32	8.82	33	9.42	33	9.46	33
LSD (0.05)		12	10	2	0.49	12	1.19	19	1.75	19	0.09	19	2.01	19	1.91	19	1.96	19
Min		74	16	12	3.68	9	2.04	1	3.64	1	0.07	1	5.89	1	4.14	1	6.69	1
Max		122	53	20	6.35	57	6.44	65	7.66	65	0.34	65	11.86	65	12.87	65	12.06	65
NumSignificantSites		**47**	**47**	**47**	**12**	**12**	**1**		**1**		**1**		**1**		**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5F

Entry	Name	Across			Grain Yields - Mid-Altitude Humid Warm (Zone A)						Grain Yields - Mid Altitude Humid Hot (Zone B)					
		Across			Across		Gwebi Zim		Harare Zim		Across		Sussundenga Moz		Mapupulo Moz	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																
62	CZH0743	84	46	16	4.31	46	4.73	27	1.04	61	3.83	55	6.16	44	3.82	51
34	CZH04012	83	47	16	3.87	55	2.78	64	2.26	24	4.02	53	6.73	28	3.76	54
61	CZH0742	83	48	15	4.78	42	4.57	31	1.03	62	4.01	54	5.51	54	4.53	30
60	CZH0741	82	48	16	4.14	50	4.36	39	2.56	12	3.92	58	5.68	51	3.55	59
35	CZH071	84	48	16	4.06	49	2.79	63	1.84	44	3.68	57	5.44	57	3.33	61
Maturity group average		83	47	16	4.23	49	3.84	45	1.75	41	3.89	55	5.90	47	3.80	51
Entries with anthesis dates between 62 an 64 days																
53	CZH0734	99	34	16	4.71	40	4.82	22	1.86	42	4.56	43	4.50	64	4.91	20
54	CZH0735	96	35	14	5.12	35	5.11	14	1.85	43	4.70	42	6.55	33	4.32	35
56	CZH0737	95	36	17	4.89	32	4.69	28	2.59	11	4.77	34	6.61	32	4.33	34
55	CZH0736	86	45	15	4.46	49	3.65	53	0.84	65	4.32	52	6.21	43	3.94	50
58	CZH0739	83	47	14	4.06	52	3.37	60	2.18	27	3.90	53	5.23	60	4.00	48
57	CZH0738	78	51	13	3.68	57	3.53	56	1.68	52	3.93	54	5.50	55	4.63	27
59	CZH0740	74	53	12	4.09	54	4.67	30	1.81	47	3.68	59	4.29	65	3.62	57
Maturity group average		87	43	14	4.43	46	4.26	38	1.83	41	4.26	48	5.56	50	4.25	39
Entries with anthesis dates between 65 and 67 days																
21	CZH0613	116	22	18	5.30	26	4.92	17	2.96	5	5.55	17	7.76	7	5.01	15
49	CZH0524	114	23	15	5.82	25	4.36	40	1.47	57	5.44	19	7.19	20	4.98	17
20	CZH0615	109	24	12	5.51	26	5.88	2	2.29	22	5.04	32	6.98	24	4.26	40
64	CZH0746	103	29	15	5.23	33	4.10	48	1.30	58	5.20	29	7.04	21	4.06	46
51	CZH0731	101	33	16	5.06	35	5.30	10	2.10	32	5.00	30	6.71	29	4.63	28
52	CZH0732	100	36	17	5.20	34	4.87	19	1.92	38	4.56	44	6.68	30	3.94	49
1	WH 105	92	39	15	4.85	39	4.82	21	1.29	59	4.59	43	6.94	25	3.75	55
36	CZH04003	90	43	15	4.16	44	4.40	37	2.15	28	4.20	55	5.65	52	3.75	56
6	Pan 4M-19	84	45	15	4.70	46	4.23	43	1.88	40	4.68	41	6.25	42	4.09	44
16	SC415	83	48	16	4.01	52	4.16	47	2.03	35	3.76	57	4.70	63	3.77	53
37	CZH04002	82	48	14	4.10	53	3.63	55	1.69	51	3.87	51	5.72	50	3.29	62
Maturity group average		98	36	15	4.90	38	4.61	31	1.92	39	4.72	38	6.51	33	4.14	42
Entries with anthesis dates between 68 and 70 days																
30	CZH0728	122	16	14	6.35	9	5.50	6	2.80	6	5.51	23	6.29	40	5.34	6
23	CZH0616	119	17	15	5.90	18	4.93	15	0.85	64	5.82	21	8.28	1	4.26	39
31	CZH0724	117	18	15	6.04	14	5.12	13	3.20	2	5.70	16	6.84	27	4.93	19
19	AFG4663	119	19	17	5.79	17	5.54	5	2.34	19	5.78	15	7.61	12	5.58	4
4	013WH29	113	20	15	5.66	19	5.44	7	2.31	20	5.86	11	7.90	6	4.97	18
44	CZH0536	112	21	14	5.88	16	5.21	11	2.50	15	5.55	17	7.65	11	5.58	3
24	CZH0610	113	22	16	5.91	21	5.62	4	2.27	23	5.17	25	6.34	39	5.12	13
7	Pan 53	110	23	19	5.63	23	1.62	65	3.04	4	5.83	22	7.41	15	5.70	2
18	AFG4611	113	24	19	5.76	20	3.16	61	2.53	14	5.85	19	8.19	3	5.72	1
25	CZH0720	111	24	15	5.71	26	4.24	41	2.06	33	5.71	13	6.99	23	5.30	8
32	CZH0729	108	24	16	5.60	26	4.17	46	2.49	16	5.73	12	7.00	22	4.98	16
48	CZH0535	110	24	15	5.39	29	4.02	49	1.87	41	5.61	22	7.65	10	4.55	29
33	CZH0727	112	25	17	6.02	18	6.44	1	2.12	30	5.27	32	7.20	19	4.09	45
22	CZH01008	107	25	16	5.81	28	4.91	18	1.54	56	5.97	13	8.23	2	4.90	21
45	CZH0521	108	25	19	5.93	16	5.30	9	2.24	26	5.41	29	6.49	37	4.79	23
46	CZH03005	109	26	16	5.24	33	4.21	45	0.89	63	5.07	31	7.47	14	4.48	31
38	CZH04032	108	27	16	5.30	28	4.93	16	2.26	25	5.45	26	6.87	26	4.05	47
42	CZH04005	103	29	14	5.58	24	4.40	36	2.41	18	5.24	25	6.38	38	5.17	12
47	CZH0526	105	29	17	5.43	29	4.84	20	1.74	49	4.99	37	5.49	56	3.81	52
43	CZH0530	102	33	19	4.90	35	4.51	32	2.80	7	4.80	35	5.28	58	4.29	37
15	SC531	99	33	17	5.22	32	2.98	62	1.81	45	5.56	20	7.96	5	4.88	22
3	WH002	100	33	17	5.20	36	3.65	54	2.55	13	5.44	29	7.35	17	4.67	26
11	ZMS 526	99	33	17	5.13	39	4.45	33	1.09	60	5.60	21	6.66	31	5.35	5
10	Pan 7M-97	98	33	19	5.28	33	3.46	58	2.72	9	5.74	21	8.19	4	4.45	33
63	CZH0744	103	34	18	4.79	38	4.78	23	2.14	29	4.86	40	6.53	34	2.94	65
41	CZH066	97	34	16	4.98	37	4.41	35	1.75	48	4.68	40	5.24	59	4.75	24
12	ZMS 508	97	35	16	5.31	31	3.49	57	1.81	46	5.64	20	7.55	13	5.30	9
5	013WH30	95	35	19	5.67	26	3.44	59	2.11	31	4.95	38	7.69	9	3.50	60
39	CZH065	98	35	14	5.11	36	4.38	38	3.18	3	4.93	36	6.14	46	4.16	42
14	30D79	92	37	20	5.31	29	4.43	34	2.61	10	5.04	31	5.62	53	4.46	32
40	CZH064	96	37	16	4.85	44	4.75	25	1.68	53	4.86	33	5.86	48	4.27	38
13	30G97	94	38	18	5.06	32	3.92	50	1.60	55	5.05	34	6.50	36	4.10	43
65	Local Check	90	39	19	4.77	40	4.24	42	1.72	50	4.89	35	7.24	18	3.08	64
50	CZH0730	93	40	15	4.85	40	5.34	8	1.62	54	4.31	48	5.16	61	4.30	36
9	Pan 77	93	41	17	4.99	37	3.70	52	2.03	34	4.56	47	5.86	49	3.56	58
17	SC411	79	50	13	4.30	51	3.90	51	2.01	36	4.31	51	6.28	41	3.29	63
Maturity group average		104	29	17	5.41	29	4.43	33	2.13	31	5.30	27	6.87	27	4.57	29
Entries with anthesis dates greater than 70 days																
27	CZH0724	117	20	15	5.78	19	4.23	44	3.68	1	5.60	19	6.15	45	5.19	11
28	CZH0726	116	21	16	5.80	19	5.15	12	2.30	21	5.70	18	5.95	47	5.31	7
29	CZH0727	111	24	17	5.71	24	4.68	29	1.89	39	5.85	11	7.72	8	5.10	14
26	CZH0722	108	24	16	5.75	24	4.76	24	1.96	37	5.06	30	4.77	62	5.19	10
2	WH 403	105	27	15	5.48	27	5.72	3	2.48	17	5.38	22	7.36	16	4.26	41
8	Pan 63	100	30	19	6.01	24	4.74	26	2.80	8	5.46	20	6.51	35	4.71	25
Maturity group average		109	24	16	5.75	23	4.88	23	2.52	21	5.51	20	6.41	36	4.96	18
Mean		100	33	16	5.16	33	4.44	33	2.07	33	5.00	33	6.55	33	4.44	33
LSD (0.05)		12	10	2	0.49	12	1.67	19	1.12	19	0.68	14	2.03	19	1.32	19
Min		74	16	12	3.68	9	1.62	1	0.84	1	3.68	11	4.29	1	2.94	1
Max		122	53	20	6.35	57	6.44	65	3.68	65	5.97	59	8.28	65	5.72	65
NumSignificantSites		**47**	**47**	**47**	**12**	**12**	**1**		**1**		**5**	**5**	**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5G

Entry	Name		Across		Grain Yields - Mid-Altitude Humid Hot (Zone B) Across		Chitala Mal		Rattray-Arnold Zim		Weruweru Tan		Grain Yields - Mid-Altitude Dry (Zone C) Across		Les Swa		Umbeluzi Moz	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																		
62	CZH0743	84	46	16	3.83	55	3.88	65	0.82	54	4.48	60	2.76	50	2.33	9	1.59	59
34	CZH04012	83	47	16	4.02	53	4.22	64	0.78	59	4.60	59	2.68	49	1.94	23	2.16	37
61	CZH0742	83	48	15	4.01	54	5.29	58	0.71	63	4.00	63	2.67	57	0.89	65	1.96	43
60	CZH0741	82	48	16	3.92	58	5.06	59	0.63	64	4.69	55	2.76	47	1.29	57	2.15	38
35	CZH071	84	48	16	3.68	57	4.72	61	0.86	45	4.07	62	2.36	56	1.79	30	1.73	56
Maturity group average		83	47	16	3.89	55	4.64	61	0.76	57	4.37	60	2.64	52	1.65	37	1.92	47
Entries with anthesis dates between 62 an 64 days																		
53	CZH0734	99	34	16	4.56	43	6.55	45	0.84	50	6.01	38	3.61	32	1.32	54	2.88	11
54	CZH0735	96	35	14	4.70	42	7.11	34	0.83	51	4.67	58	3.52	33	1.79	31	2.13	39
56	CZH0737	95	36	17	4.77	34	7.22	31	1.00	17	4.68	56	3.09	45	1.50	48	2.17	36
55	CZH0736	86	45	15	4.32	52	5.99	53	0.78	58	4.68	57	2.63	54	1.52	46	1.73	55
58	CZH0739	83	47	14	3.90	53	5.39	56	0.91	37	3.98	64	3.01	44	2.04	17	2.32	31
57	CZH0738	78	51	13	3.93	54	5.02	60	0.72	61	3.77	65	2.84	54	1.44	49	1.65	58
59	CZH0740	74	53	12	3.68	59	4.56	63	0.78	60	5.14	50	2.64	59	1.17	59	1.73	54
Maturity group average		87	43	14	4.26	48	5.98	49	0.84	48	4.71	55	3.05	46	1.54	43	2.09	41
Entries with anthesis dates between 65 and 67 days																		
21	CZH0613	116	22	18	5.55	17	7.97	14	1.09	7	5.90	41	4.13	19	2.34	8	2.57	23
49	CZH0524	114	23	15	5.44	19	7.27	29	1.12	3	6.65	25	3.57	32	1.63	39	2.63	19
20	CZH0615	109	24	12	5.04	32	7.07	35	1.00	19	5.91	40	3.87	29	1.89	26	1.88	50
64	CZH0746	103	29	15	5.20	29	6.97	40	0.99	23	6.94	16	3.76	28	1.98	22	2.45	30
51	CZH0731	101	33	16	5.00	30	6.08	50	1.01	15	6.60	26	3.71	35	1.41	51	2.28	32
52	CZH0732	100	36	17	4.56	44	5.38	57	0.90	39	5.88	44	3.53	39	1.41	50	2.71	15
1	WH 105	92	39	15	4.59	43	6.14	48	0.88	40	5.24	48	3.37	37	1.83	28	2.60	20
36	CZH04003	90	43	15	4.20	55	6.03	51	0.72	61	4.84	53	3.48	38	1.14	61	2.26	33
6	Pan 4M-19	84	45	15	4.68	41	6.69	44	0.95	29	5.39	47	3.09	46	2.28	10	1.19	65
16	SC415	83	48	16	3.76	57	5.44	55	0.82	55	4.08	61	2.92	51	2.00	20	1.88	49
37	CZH04002	82	48	14	3.87	51	4.57	62	0.95	29	4.81	54	3.10	45	0.96	64	2.56	24
Maturity group average		98	36	15	4.72	38	6.33	44	0.95	29	5.66	41	3.50	36	1.72	34	2.27	33
Entries with anthesis dates between 68 and 70 days																		
30	CZH0728	122	16	14	5.51	23	7.87	19	0.91	37	7.15	12	4.51	14	2.26	11	2.02	41
23	CZH0616	119	17	15	5.82	21	9.14	1	0.94	34	6.49	30	4.18	20	2.13	15	1.83	51
31	CZH0724	117	18	15	5.70	16	8.86	3	1.02	14	6.86	18	4.50	20	1.69	37	2.67	17
19	AFG4663	119	19	17	5.78	15	7.25	30	0.98	25	7.47	6	4.32	15	2.46	6	1.75	53
4	013WH29	113	20	15	5.86	11	8.44	6	1.02	12	6.98	14	4.36	16	1.75	33	4.60	2
44	CZH0536	112	21	14	5.55	17	7.37	26	1.07	9	6.09	35	4.22	16	2.21	13	1.95	44
24	CZH0610	113	22	16	5.17	25	6.13	49	1.01	15	7.22	10	4.24	18	2.04	18	2.58	21
7	Pan 53	110	23	19	5.83	22	7.45	24	0.42	65	8.17	3	3.53	30	1.92	24	2.06	40
18	AFG4611	113	24	19	5.85	19	7.78	21	0.84	49	6.73	23	4.09	20	2.55	5	2.46	28
25	CZH0720	111	24	15	5.71	13	7.36	27	1.20	2	7.71	4	4.13	22	2.13	16	2.49	26
32	CZH0729	108	24	16	5.73	12	7.96	16	1.25	1	7.46	7	3.88	30	1.60	41	1.77	52
48	CZH0535	110	24	15	5.61	22	6.71	43	0.97	28	8.18	2	4.04	20	1.99	21	2.45	29
33	CZH0727	112	25	17	5.27	32	7.91	17	0.85	48	6.29	33	3.76	32	1.84	27	1.96	42
22	CZH01008	107	25	16	5.97	13	7.17	32	1.06	10	8.51	1	3.93	26	1.81	29	2.22	34
45	CZH0521	108	25	19	5.41	29	8.08	12	0.82	52	6.86	19	3.95	27	2.18	14	1.28	63
46	CZH03005	109	26	16	5.07	31	6.53	46	0.99	21	5.90	42	4.05	23	1.55	43	3.15	8
38	CZH04032	108	27	16	5.45	26	8.50	5	0.92	36	6.90	17	3.62	33	1.74	34	1.37	62
42	CZH04005	103	29	14	5.24	25	7.02	37	1.02	12	6.58	27	3.96	26	2.01	19	3.00	9
47	CZH0526	105	29	17	4.99	37	8.03	13	0.88	40	6.75	22	4.28	24	1.70	36	5.14	1
43	CZH0530	102	33	19	4.80	35	7.04	36	1.05	11	6.33	32	3.49	36	1.32	55	2.56	25
15	SC531	99	33	17	5.56	20	6.98	39	1.00	19	6.96	15	3.63	31	2.74	4	2.58	22
3	WH002	100	33	17	5.44	29	6.86	42	0.79	57	7.53	5	3.48	36	1.17	60	2.47	27
11	ZMS 526	99	33	17	5.60	21	8.16	10	0.86	47	6.99	13	3.54	37	2.97	2	2.22	35
10	Pan 7M-97	98	33	19	5.74	21	7.97	14	0.87	42	7.21	11	3.72	29	2.23	12	1.94	47
63	CZH0744	103	34	18	4.86	40	8.10	11	0.86	45	5.88	43	3.59	35	3.05	1	2.93	10
41	CZH066	97	34	16	4.68	40	7.58	23	0.87	44	4.96	52	3.67	30	1.33	53	2.70	16
12	ZMS 508	97	35	16	5.64	20	7.83	20	0.95	29	6.57	28	3.58	35	1.78	32	1.94	46
5	013WH30	95	35	19	4.95	38	6.91	41	0.95	33	5.72	46	3.05	47	1.00	63	1.50	61
39	CZH065	98	35	14	4.93	36	7.33	28	0.95	29	6.07	37	3.60	33	1.52	45	1.93	48
14	30D79	92	37	20	5.04	31	7.66	22	1.00	17	6.46	31	3.69	33	1.39	52	3.80	5
40	CZH064	96	37	16	4.86	33	7.01	38	1.10	5	6.07	36	3.92	30	1.09	62	3.51	6
13	30G97	94	38	18	5.05	34	7.90	18	0.98	26	5.76	45	3.17	46	1.51	47	1.21	64
65	Local Check	90	39	19	4.89	35	7.15	33	0.99	21	6.00	39	3.33	41	1.56	42	2.83	12
50	CZH0730	93	40	15	4.31	48	6.00	52	0.87	42	5.19	49	3.59	32	1.31	56	2.81	13
9	Pan 77	93	41	17	4.56	47	5.76	54	0.82	52	6.80	21	3.70	33	2.45	7	1.68	57
17	SC411	79	50	13	4.31	51	6.15	47	0.82	55	5.05	51	2.82	50	1.63	38	1.53	60
Maturity group average		104	29	17	5.30	27	7.44	27	0.94	30	6.66	24	3.81	29	1.88	30	2.41	33
Entries with anthesis dates greater than 70 days																		
27	CZH0724	117	20	15	5.60	19	8.23	9	0.99	24	7.45	8	4.91	9	2.88	3	4.54	3
28	CZH0726	116	21	16	5.70	18	8.88	2	0.97	27	7.36	9	4.36	16	1.91	25	3.88	4
29	CZH0727	111	24	17	5.85	11	8.62	4	1.09	6	6.72	24	3.84	27	1.70	35	1.95	45
26	CZH0722	108	24	16	5.06	30	8.25	8	0.93	35	6.17	34	4.19	20	1.62	40	3.21	7
2	WH 403	105	27	15	5.38	22	7.38	25	1.08	8	6.83	20	3.89	27	1.52	44	2.67	18
8	Pan 63	100	30	19	5.46	20	8.44	7	1.12	3	6.53	29	4.06	24	1.22	58	2.74	14
Maturity group average		109	24	16	5.51	20	8.30	9	1.03	17	6.84	21	4.21	21	1.81	34	3.16	15
Mean		100	33	16	5.00	33	6.96	33	0.93	33	6.12	33	3.62	33	1.79	33	2.39	33
LSD (0.05)		12	10	2	0.68	14	1.65	19	0.24	19	1.68	19	0.49	12	1.02	19	1.16	19
Min		74	16	12	3.68	11	3.88	1	0.42	1	3.77	1	2.36	9	0.89	1	1.19	1
Max		122	53	20	5.97	59	9.14	65	1.25	65	8.51	65	4.91	59	3.05	65	5.14	65
NumSignificantSites		**47**	**47**	**47**	**5**	**5**	**1**		**1**		**1**		**8**	**8**	**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5H

Grain Yields - Mid-Altitude Dry (Zone C)

Entry	Name	Across			Across		Nampula Moz		Ntengo-nmodzi Moz		Baka Mal		Bwanje Mal		Kadoma Zim		Makaholi Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																		
62	CZH0743	84	46	16	2.76	50	4.69	57	1.38	48	5.94	43	2.18	55	5.19	52	0.11	12
34	CZH04012	83	47	16	2.68	49	4.84	51	1.35	50	5.60	52	2.80	31	3.52	64	0.11	16
61	CZH0742	83	48	15	2.67	57	5.31	35	1.26	57	5.20	59	1.95	58	4.83	57	0.02	57
60	CZH0741	82	48	16	2.76	47	4.99	47	1.84	6	6.29	35	2.58	41	4.49	60	0.06	39
35	CZH071	84	48	16	2.36	56	4.77	55	1.30	54	4.27	65	1.99	57	4.03	63	0.09	27
Maturity group average		83	47	16	2.64	52	4.92	49	1.43	43	5.46	51	2.30	48	4.41	59	0.08	30
Entries with anthesis dates between 62 an 64 days																		
53	CZH0734	99	34	16	3.61	32	5.14	39	1.57	21	6.55	27	3.25	17	5.12	54	0.04	49
54	CZH0735	96	35	14	3.52	33	5.05	43	1.67	14	7.04	15	2.97	25	5.76	37	0.02	59
56	CZH0737	95	36	17	3.09	45	5.43	32	1.46	37	6.59	24	2.55	42	5.06	55	0.03	55
55	CZH0736	86	45	15	2.63	54	4.48	60	1.39	45	5.22	58	1.85	60	4.78	59	0.03	51
58	CZH0739	83	47	14	3.01	44	5.15	38	1.43	38	5.08	62	2.24	53	5.15	53	0.10	20
57	CZH0738	78	51	13	2.84	54	5.21	36	1.05	63	5.57	53	1.59	63	4.38	61	0.11	17
59	CZH0740	74	53	12	2.64	59	6.56	5	0.98	65	5.15	61	2.46	48	4.36	62	0.06	38
Maturity group average		87	43	14	3.05	46	5.29	36	1.36	40	5.89	43	2.42	44	4.94	54	0.06	41
Entries with anthesis dates between 65 and 67 days																		
21	CZH0613	116	22	18	4.13	19	5.70	22	1.54	26	6.67	23	2.32	51	7.43	5	0.10	23
49	CZH0524	114	23	15	3.57	32	5.19	37	1.66	16	6.17	39	3.22	18	5.79	36	0.07	31
20	CZH0615	109	24	12	3.87	29	5.09	41	1.41	42	5.87	45	2.22	54	6.58	21	0.15	7
64	CZH0746	103	29	15	3.76	28	5.50	29	1.82	8	6.56	26	2.90	28	5.68	40	0.10	22
51	CZH0731	101	33	16	3.71	35	5.00	45	1.23	59	6.20	37	3.53	9	6.89	12	0.06	36
52	CZH0732	100	36	17	3.53	39	4.96	48	1.23	60	5.82	48	2.14	56	5.63	42	0.03	54
1	WH 105	92	39	15	3.37	37	6.22	9	1.55	24	6.50	30	2.72	34	5.31	49	0.12	11
36	CZH04003	90	43	15	3.48	38	5.65	23	1.43	38	6.09	41	2.47	47	5.96	34	0.11	13
6	Pan 4M-19	84	45	15	3.09	46	5.04	44	1.34	51	6.50	31	2.78	33	5.21	50	0.06	35
16	SC415	83	48	16	2.92	51	4.81	54	1.17	62	5.03	63	2.45	49	4.82	58	0.05	42
37	CZH04002	82	48	14	3.10	45	4.45	61	1.43	40	5.43	54	2.64	39	5.69	39	0.09	25
Maturity group average		98	36	15	3.50	36	5.24	38	1.44	39	6.08	40	2.67	38	5.91	35	0.09	27
Entries with anthesis dates between 68 and 70 days																		
30	CZH0728	122	16	14	4.51	14	5.50	30	1.71	11	7.83	3	2.58	40	6.53	22	0.08	29
23	CZH0616	119	17	15	4.18	20	5.39	33	1.50	30	7.15	11	3.13	21	6.76	18	0.05	43
31	CZH0724	117	18	15	4.50	20	4.86	50	1.42	41	6.01	42	3.00	24	8.80	1	0.12	10
19	AFG4663	119	19	17	4.32	15	5.12	40	1.62	17	7.34	7	4.11	1	7.36	7	0.06	41
4	013WH29	113	20	15	4.36	16	5.31	34	1.84	7	6.68	22	3.78	3	7.48	4	0.06	40
44	CZH0536	112	21	14	4.22	16	4.28	63	1.79	9	7.26	8	3.18	20	6.74	19	0.10	19
24	CZH0610	113	22	16	4.24	18	5.51	28	1.88	4	5.81	50	1.91	59	8.17	2	0.04	48
7	Pan 53	110	23	19	3.53	30	5.79	21	1.38	47	7.09	14	2.50	44	2.21	65	.	.
18	AFG4611	113	24	19	4.09	20	4.99	46	2.00	2	8.41	1	3.48	11	6.92	11	0.16	6
25	CZH0720	111	24	15	4.13	22	4.88	49	1.37	49	7.42	6	1.75	61	5.67	41	0.11	15
32	CZH0729	108	24	16	3.88	30	6.17	11	1.50	30	5.69	51	1.26	65	7.65	3	0.08	28
48	CZH0535	110	24	15	4.04	20	5.61	26	1.85	5	6.52	28	3.76	5	6.87	13	.	.
33	CZH0727	112	25	17	3.76	32	4.59	58	1.32	52	6.51	29	2.41	50	7.14	10	0.14	8
22	CZH01008	107	25	16	3.93	26	6.26	8	1.47	35	7.51	5	2.79	32	6.39	24	0.19	4
45	CZH0521	108	25	19	3.95	27	5.59	27	1.30	53	7.54	4	2.32	52	6.08	32	0.01	61
46	CZH03005	109	26	16	4.05	23	6.27	7	1.62	18	6.29	34	2.67	35	6.77	16	0.19	3
38	CZH04032	108	27	16	3.62	33	5.84	19	1.55	24	5.90	44	3.31	16	5.74	38	0.09	24
42	CZH04005	103	29	14	3.96	26	6.72	1	1.41	43	6.39	32	3.06	22	6.85	14	0.05	44
47	CZH0526	105	29	17	4.28	24	4.81	52	1.20	61	6.34	33	3.75	6	5.96	33	0.04	50
43	CZH0530	102	33	19	3.49	36	6.10	14	1.53	28	5.40	55	2.49	45	6.30	26	0.03	53
15	SC531	99	33	17	3.63	31	6.60	4	1.56	22	6.89	20	2.66	36	5.93	35	0.04	47
3	WH002	100	33	17	3.48	36	4.36	62	1.59	19	6.25	36	2.48	46	5.36	47	0.11	18
11	ZMS 526	99	33	17	3.54	37	6.07	16	1.29	55	7.11	12	3.39	13	5.40	45	0.13	9
10	Pan 7M-97	98	33	19	3.72	29	6.66	2	2.24	1	7.94	2	2.87	29	6.25	28	0.05	45
63	CZH0744	103	34	18	3.59	35	4.58	59	1.28	56	5.36	56	2.51	43	6.65	20	0.07	32
41	CZH066	97	34	16	3.67	30	4.13	65	1.59	19	6.92	18	2.84	30	5.57	43	0.10	21
12	ZMS 508	97	35	16	3.58	35	5.85	18	1.54	26	5.29	57	3.03	23	6.77	17	0.07	34
5	013WH30	95	35	19	3.05	47	5.49	31	1.67	13	4.79	64	2.65	37	6.78	15	0.04	46
39	CZH065	98	35	14	3.60	33	5.63	24	1.74	10	6.57	25	3.70	7	5.35	48	0.11	14
14	30D79	92	37	20	3.69	33	5.08	42	1.41	43	6.91	19	3.49	10	6.24	29	.	.
40	CZH064	96	37	16	3.92	30	6.66	2	1.26	57	7.10	13	3.35	15	5.39	46	0.03	56
13	30G97	94	38	18	3.17	46	5.95	17	1.51	29	6.11	40	1.46	64	5.55	44	0.19	2
65	Local Check	90	39	19	3.33	41	5.62	25	1.02	64	5.82	49	3.77	4	6.34	25	0.07	33
50	CZH0730	93	40	15	3.59	32	4.17	64	1.90	3	6.18	38	2.65	38	5.20	51	.	.
9	Pan 77	93	41	17	3.70	33	4.73	56	1.49	33	5.86	46	2.93	27	6.40	23	0.02	58
17	SC411	79	50	13	2.82	50	6.12	13	1.55	23	5.20	59	1.67	62	5.03	56	0.07	30
Maturity group average		104	29	17	3.81	29	5.48	31	1.55	29	6.54	29	2.85	30	6.30	27	0.08	30
Entries with anthesis dates greater than 70 days																		
27	CZH0724	117	20	15	4.91	9	4.81	53	1.67	14	6.99	16	3.82	2	6.26	27	0.06	37
28	CZH0726	116	21	16	4.36	16	6.21	10	1.47	35	6.94	17	3.39	14	7.43	6	0.09	26
29	CZH0727	111	24	17	3.84	27	6.36	6	1.68	12	7.26	8	3.54	8	6.18	30	0.01	60
26	CZH0722	108	24	16	4.19	20	5.82	20	1.39	45	7.18	10	3.48	12	7.22	9	0.20	1
2	WH 403	105	27	15	3.89	27	6.15	12	1.48	34	5.84	47	3.20	19	6.13	31	0.03	52
8	Pan 63	100	30	19	4.06	24	6.08	15	1.49	32	6.71	21	2.95	26	7.27	8	0.16	5
Maturity group average		109	24	16	4.21	21	5.91	19	1.53	29	6.82	20	3.40	14	6.75	19	0.09	30
Mean		100	33	16	3.62	33	5.42	33	1.50	33	6.33	33	2.78	33	5.98	33	0.08	31
LSD (0.05)		12	10	2	0.49	12	1.83	19	0.50	19	1.88	19	1.45	19	1.15	19	0.12	18
Min		74	16	12	2.36	9	4.13	1	0.98	1	4.27	1	1.26	1	2.21	1	0.01	1
Max		122	53	20	4.91	59	6.72	65	2.24	65	8.41	65	4.11	65	8.80	65	0.20	61
NumSignificantSites		**47**	**47**	**47**	**8**	**8**	**0**		**1**		**1**		**0**		**1**		**0**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5I

					Grain Yields - Mid-Altitude Dry (Zone C)								Grain Yield Lowland Tropical Humid (Zone D)			
Entry	Name	Across			Across		Kadoma Zim		Afsf-Arusha Tan		Afsf-Arusha Tan		Across		Ilonga Tan	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																
62	CZH0743	84	46	16	2.76	50	2.30	63	1.44	60	1.90	65	0.94	46	0.94	46
34	CZH04012	83	47	16	2.68	49	2.40	62	1.97	40	2.46	60	1.26	23	1.26	23
61	CZH0742	83	48	15	2.67	57	3.36	55	1.42	61	2.40	61	1.27	21	1.27	21
60	CZH0741	82	48	16	2.76	47	2.46	61	1.48	58	2.08	64	1.29	18	1.29	18
35	CZH071	84	48	16	2.36	56	1.60	65	1.49	55	2.63	59	1.03	40	1.03	40
Maturity group average		83	47	16	2.64	52	2.43	61	1.56	55	2.30	62	1.16	30	1.16	30
Entries with anthesis dates between 62 an 64 days																
53	CZH0734	99	34	16	3.61	32	4.39	38	2.38	18	4.64	29	1.28	19	1.28	19
54	CZH0735	96	35	14	3.52	33	4.27	40	1.91	43	3.57	45	0.86	54	0.86	54
56	CZH0737	95	36	17	3.09	45	3.78	48	1.83	47	2.30	62	1.24	26	1.24	26
55	CZH0736	86	45	15	2.63	54	2.23	64	1.96	41	2.21	63	1.22	30	1.22	30
58	CZH0739	83	47	14	3.01	44	3.38	54	2.01	37	2.68	58	1.23	28	1.23	28
57	CZH0738	78	51	13	2.84	54	3.73	50	1.87	45	2.99	54	1.24	27	1.24	27
59	CZH0740	74	53	12	2.64	59	3.12	59	1.49	57	3.15	52	0.92	48	0.92	48
Maturity group average		87	43	14	3.05	46	3.56	50	1.92	41	3.08	52	1.14	33	1.14	33
Entries with anthesis dates between 65 and 67 days																
21	CZH0613	116	22	18	4.13	19	5.89	8	2.28	23	4.34	33	1.14	36	1.14	36
49	CZH0524	114	23	15	3.57	32	4.15	45	2.18	27	4.33	34	2.24	1	2.24	1
20	CZH0615	109	24	12	3.87	29	6.29	3	2.32	20	4.70	27	1.34	16	1.34	16
64	CZH0746	103	29	15	3.76	28	4.85	32	1.90	44	4.87	21	1.07	39	1.07	39
51	CZH0731	101	33	16	3.71	35	4.64	35	2.02	36	5.00	17	0.87	50	0.87	50
52	CZH0732	100	36	17	3.53	39	4.57	36	1.92	42	4.96	19	0.87	53	0.87	53
1	WH 105	92	39	15	3.37	37	3.28	56	1.86	46	4.01	41	1.20	32	1.20	32
36	CZH04003	90	43	15	3.48	38	4.98	31	2.59	17	3.37	49	1.20	31	1.20	31
6	Pan 4M-19	84	45	15	3.09	46	3.18	57	1.48	59	3.53	47	0.81	56	0.81	56
16	SC415	83	48	16	2.92	51	3.45	53	1.77	50	3.27	50	0.70	63	0.70	63
37	CZH04002	82	48	14	3.10	45	3.74	49	2.03	35	2.98	55	1.22	29	1.22	29
Maturity group average		98	36	15	3.50	36	4.46	37	2.03	36	4.12	36	1.15	37	1.15	37
Entries with anthesis dates between 68 and 70 days																
30	CZH0728	122	16	14	4.51	14	5.24	20	3.66	1	6.85	2	1.27	20	1.27	20
23	CZH0616	119	17	15	4.18	20	6.52	2	2.31	22	5.23	9	1.55	8	1.55	8
31	CZH0724	117	18	15	4.50	20	6.22	4	2.62	15	6.58	3	1.26	22	1.26	22
19	AFG4663	119	19	17	4.32	15	5.70	12	2.90	7	5.46	8	2.12	2	2.12	2
4	013WH29	113	20	15	4.36	16	4.27	41	2.65	13	5.62	7	1.00	42	1.00	42
44	CZH0536	112	21	14	4.22	16	5.44	15	3.31	5	5.09	13	1.53	9	1.53	9
24	CZH0610	113	22	16	4.24	18	5.81	9	3.00	6	4.61	30	1.19	33	1.19	33
7	Pan 53	110	23	19	3.53	30	4.75	34	2.64	14	6.17	4	1.10	38	1.10	38
18	AFG4611	113	24	19	4.09	20	4.84	33	2.13	29	3.43	48	1.76	3	1.76	3
25	CZH0720	111	24	15	4.13	22	5.43	16	3.65	2	4.87	22	0.98	44	0.98	44
32	CZH0729	108	24	16	3.88	30	5.76	10	2.01	38	5.09	14	1.25	24	1.25	24
48	CZH0535	110	24	15	4.04	20	5.63	13	2.18	26	4.82	24	1.58	7	1.58	7
33	CZH0727	112	25	17	3.76	32	5.17	26	2.25	24	3.90	42	1.14	35	1.14	35
22	CZH01008	107	25	16	3.93	26	6.04	6	2.18	28	3.82	44	0.67	65	0.67	65
45	CZH0521	108	25	19	3.95	27	5.72	11	2.61	16	4.91	20	1.41	14	1.41	14
46	CZH03005	109	26	16	4.05	23	5.17	27	3.31	4	4.53	31	1.32	17	1.32	17
38	CZH04032	108	27	16	3.62	33	4.22	44	2.79	11	5.65	6	1.47	13	1.47	13
42	CZH04005	103	29	14	3.96	26	5.11	29	1.78	48	5.17	11	0.79	57	0.79	57
47	CZH0526	105	29	17	4.28	24	5.90	7	2.89	8	5.13	12	1.60	6	1.60	6
43	CZH0530	102	33	19	3.49	36	5.06	30	2.19	25	3.53	46	0.70	64	0.70	64
15	SC531	99	33	17	3.63	31	5.14	28	1.41	62	2.76	57	1.64	5	1.64	5
3	WH002	100	33	17	3.48	36	4.27	42	2.31	21	4.43	32	1.39	15	1.39	15
11	ZMS 526	99	33	17	3.54	37	3.66	51	1.50	54	4.19	38	1.01	41	1.01	41
10	Pan 7M-97	98	33	19	3.72	29	3.18	58	1.65	52	4.32	35	0.82	55	0.82	55
63	CZH0744	103	34	18	3.59	35	3.83	47	1.78	49	3.86	43	1.00	43	1.00	43
41	CZH066	97	34	16	3.67	30	4.07	46	2.13	30	5.04	16	0.72	61	0.72	61
12	ZMS 508	97	35	16	3.58	35	5.50	14	1.71	51	4.13	39	0.97	45	0.97	45
5	013WH30	95	35	19	3.05	47	4.47	37	1.38	63	2.78	56	1.25	25	1.25	25
39	CZH065	98	35	14	3.60	33	5.36	18	2.08	34	4.22	37	0.94	47	0.94	47
14	30D79	92	37	20	3.69	33	3.46	52	2.13	31	4.24	36	0.73	60	0.73	60
40	CZH064	96	37	16	3.92	30	5.36	17	2.88	10	4.76	26	1.48	11	1.48	11
13	30G97	94	38	18	3.17	46	4.23	43	1.20	64	4.01	40	0.78	58	0.78	58
65	Local Check	90	39	19	3.33	41	5.24	21	0.66	65	3.14	53	1.67	4	1.67	4
50	CZH0730	93	40	15	3.59	32	4.38	39	2.10	32	4.80	25	0.76	59	0.76	59
9	Pan 77	93	41	17	3.70	33	5.19	24	1.65	53	4.86	23	1.49	10	1.49	10
17	SC411	79	50	13	2.82	50	2.84	60	1.49	56	3.26	51	1.12	37	1.12	37
Maturity group average		104	29	17	3.81	29	4.95	27	2.25	30	4.59	28	1.21	31	1.21	31
Entries with anthesis dates greater than 70 days																
27	CZH0724	117	20	15	4.91	9	6.53	1	3.33	3	7.11	1	0.87	51	0.87	51
28	CZH0726	116	21	16	4.36	16	5.19	23	2.89	9	5.18	10	1.47	12	1.47	12
29	CZH0727	111	24	17	3.84	27	5.18	25	2.09	33	4.69	28	0.90	49	0.90	49
26	CZH0722	108	24	16	4.19	20	5.20	22	2.73	12	4.97	18	0.71	62	0.71	62
2	WH 403	105	27	15	3.89	27	5.32	19	2.32	19	5.84	5	1.16	34	1.16	34
8	Pan 63	100	30	19	4.06	24	6.04	5	1.99	39	5.06	15	0.87	52	0.87	52
Maturity group average		109	24	16	4.21	21	5.58	16	2.56	19	5.47	13	1.00	43	1.00	43
Mean		100	33	16	3.62	33	4.58	33	2.16	33	4.25	33	1.17	33	1.17	33
LSD (0.05)		12	10	2	0.49	12	2.07	19	0.93	19	0.82	19	0.68	19	0.68	19
Min		74	16	12	2.36	9	1.60	1	0.66	1	1.90	1	0.67	1	0.67	1
Max		122	53	20	4.91	59	6.53	65	3.66	65	7.11	65	2.24	65	2.24	65
NumSignificantSites		**47**	**47**	**47**	**8**	**8**	**1**		**1**		**1**		**1**	**1**	**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5J

Grain Yields - Lowland Tropical Dry (Zone E)

Entry	Name	Across			Across		Goodhope Bot		Pandamatenga Bot		Sebele Bot		Francistown Bot		Matopos Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																
62	CZH0743	84	46	16	1.49	46	1.87	63	1.46	32	1.45	51	1.15	39	1.49	31
34	CZH04012	83	47	16	1.54	44	1.96	62	1.19	53	1.52	46	1.16	37	1.51	29
61	CZH0742	83	48	15	1.46	43	1.69	64	1.42	37	1.37	53	1.56	8	1.22	46
60	CZH0741	82	48	16	1.40	46	1.68	65	1.63	18	1.21	57	1.23	29	1.48	32
35	CZH071	84	48	16	1.84	34	2.98	38	1.69	15	1.48	49	1.44	15	1.46	34
Maturity group average		83	47	16	1.55	42	2.04	58	1.48	31	1.41	51	1.31	26	1.43	34
Entries with anthesis dates between 62 an 64 days																
53	CZH0734	99	34	16	1.96	29	3.25	28	1.67	16	1.56	44	1.17	35	1.86	7
54	CZH0735	96	35	14	1.74	43	3.08	36	1.17	54	1.48	50	1.08	46	1.34	38
56	CZH0737	95	36	17	1.89	30	2.75	44	1.39	39	1.78	34	1.57	7	1.44	35
55	CZH0736	86	45	15	1.72	36	2.56	46	1.04	57	1.39	52	1.29	24	1.65	21
58	CZH0739	83	47	14	1.48	52	2.31	57	1.50	30	1.34	55	0.95	57	1.32	39
57	CZH0738	78	51	13	1.44	49	2.54	47	1.23	50	1.56	43	1.14	42	0.54	64
59	CZH0740	74	53	12	1.54	48	2.26	58	1.41	38	1.78	33	1.15	40	0.98	61
Maturity group average		87	43	14	1.68	41	2.68	45	1.34	41	1.55	44	1.19	36	1.30	38
Entries with anthesis dates between 65 and 67 days																
21	CZH0613	116	22	18	2.03	24	3.23	31	1.63	19	1.89	28	1.29	23	1.72	15
49	CZH0524	114	23	15	2.16	21	3.07	37	1.85	6	2.33	17	1.39	21	1.83	10
20	CZH0615	109	24	12	1.94	29	3.08	35	1.21	51	1.80	32	1.29	22	1.58	26
64	CZH0746	103	29	15	2.28	23	4.28	8	1.71	13	2.17	21	1.46	14	1.20	48
51	CZH0731	101	33	16	1.68	39	2.86	42	1.71	12	0.89	60	1.07	47	1.90	5
52	CZH0732	100	36	17	1.83	37	3.23	30	1.58	22	1.35	54	0.87	59	1.89	6
1	WH 105	92	39	15	1.48	53	2.36	56	1.35	43	1.72	37	0.69	62	1.12	56
36	CZH04003	90	43	15	1.61	45	2.50	49	1.54	27	1.61	41	1.05	50	1.30	40
6	Pan 4M-19	84	45	15	1.92	32	3.62	18	1.30	45	2.05	24	1.25	25	0.77	62
16	SC415	83	48	16	1.70	41	2.40	54	1.37	41	1.76	35	0.96	56	1.67	18
37	CZH04002	82	48	14	1.33	53	2.41	53	0.89	64	0.61	65	1.03	51	1.28	44
Maturity group average		98	36	15	1.81	36	3.01	38	1.47	31	1.65	38	1.12	39	1.48	30
Entries with anthesis dates between 68 and 70 days																
30	CZH0728	122	16	14	2.80	8	3.95	11	1.75	10	3.86	2	1.70	3	1.71	17
23	CZH0616	119	17	15	2.27	25	4.41	7	1.61	21	1.83	30	0.79	60	2.05	1
31	CZH0724	117	18	15	2.36	22	5.30	2	1.79	8	0.79	62	1.74	1	1.61	24
19	AFG4663	119	19	17	2.95	15	4.69	4	1.08	56	4.26	1	1.43	16	1.39	37
4	013WH29	113	20	15	2.31	16	3.76	15	0.96	61	2.23	20	1.66	5	1.58	25
44	CZH0536	112	21	14	2.06	32	3.61	19	1.89	3	2.16	22	0.98	55	1.49	30
24	CZH0610	113	22	16	2.19	20	3.25	29	0.97	60	2.31	19	1.40	19	1.81	12
7	Pan 53	110	23	19	2.43	20	4.60	5	1.78	9	2.76	10	1.72	2	0.64	63
18	AFG4611	113	24	19	2.16	24	3.77	14	1.20	52	2.91	6	1.50	11	0.45	65
25	CZH0720	111	24	15	2.10	23	2.48	50	1.44	34	2.78	9	1.22	30	1.91	4
32	CZH0729	108	24	16	2.18	31	4.55	6	1.54	24	1.81	31	1.17	34	1.19	51
48	CZH0535	110	24	15	1.78	31	3.11	34	1.23	49	0.83	61	1.53	10	1.66	19
33	CZH0727	112	25	17	2.08	32	4.09	9	0.75	65	1.76	36	1.05	48	1.44	36
22	CZH01008	107	25	16	2.10	20	3.34	23	0.94	63	1.90	27	1.43	17	1.74	14
45	CZH0521	108	25	19	2.15	25	3.83	13	1.86	5	2.10	23	0.68	63	1.97	2
46	CZH03005	109	26	16	2.23	20	4.72	3	1.51	29	0.78	63	1.50	12	1.92	3
38	CZH04032	108	27	16	1.95	31	3.29	25	1.56	23	2.03	25	1.24	28	1.26	45
42	CZH04005	103	29	14	2.06	32	2.83	43	1.28	46	2.90	7	1.43	18	1.07	58
47	CZH0526	105	29	17	1.92	37	3.74	16	0.94	62	1.50	47	1.14	41	1.28	43
43	CZH0530	102	33	19	1.79	32	3.20	33	1.46	31	0.76	64	1.54	9	1.65	20
15	SC531	99	33	17	1.74	39	2.95	40	1.54	26	1.49	48	1.24	27	1.29	41
3	WH002	100	33	17	1.87	37	3.53	20	1.54	25	1.71	38	1.17	33	1.09	57
11	ZMS 526	99	33	17	1.86	32	2.96	39	1.66	17	1.63	40	1.24	26	1.61	23
10	Pan 7M-97	98	33	19	2.09	25	3.29	26	1.42	36	2.32	18	1.47	13	1.28	42
63	CZH0744	103	34	18	2.13	33	4.03	10	1.62	20	2.36	15	0.98	54	1.16	54
41	CZH066	97	34	16	1.49	51	2.52	48	2.21	1	1.61	42	0.61	65	1.21	47
12	ZMS 508	97	35	16	1.87	40	2.93	41	1.09	55	2.38	13	0.98	53	1.19	52
5	013WH30	95	35	19	1.83	29	2.09	60	1.27	47	1.96	26	1.64	6	1.64	22
39	CZH065	98	35	14	1.90	33	2.69	45	1.71	11	2.37	14	0.73	61	1.82	11
14	30D79	92	37	20	1.67	45	2.43	51	1.38	40	2.42	12	0.68	64	1.18	53
40	CZH064	96	37	16	1.85	38	3.47	21	1.37	42	1.30	56	0.93	58	1.71	16
13	30G97	94	38	18	1.90	35	2.42	52	0.98	59	2.79	8	1.40	20	1.01	59
65	Local Check	90	39	19	1.45	46	2.17	59	1.44	35	0.93	59	1.20	31	1.48	33
50	CZH0730	93	40	15	1.54	50	2.40	55	1.52	28	1.68	39	1.12	44	0.98	60
9	Pan 77	93	41	17	2.21	33	3.22	32	1.89	2	3.37	3	1.05	49	1.20	49
17	SC411	79	50	13	1.61	41	2.09	61	1.24	48	1.55	45	1.67	4	1.15	55
Maturity group average		104	29	17	2.03	31	3.38	28	1.43	33	2.06	29	1.25	30	1.41	35
Entries with anthesis dates greater than 70 days																
27	CZH0724	117	20	15	2.05	27	3.44	22	1.46	33	1.88	29	1.12	43	1.76	13
28	CZH0726	116	21	16	2.79	21	5.77	1	1.81	7	2.72	11	1.11	45	1.56	27
29	CZH0727	111	24	17	2.23	23	3.87	12	1.00	58	2.34	16	1.16	36	1.54	28
26	CZH0722	108	24	16	2.34	23	3.27	27	1.71	14	3.22	4	1.03	52	1.85	9
2	WH 403	105	27	15	1.93	29	3.64	17	1.88	4	1.03	58	1.20	32	1.85	8
8	Pan 63	100	30	19	2.19	29	3.31	24	1.31	44	3.11	5	1.16	38	1.19	50
Maturity group average		109	24	16	2.26	25	3.88	17	1.53	27	2.39	21	1.13	41	1.62	23
Mean		100	33	16	1.94	33	3.18	33	1.44	33	1.92	33	1.22	33	1.43	33
LSD (0.05)		12	10	2	0.52	10	1.39	19	0.64	19	1.34	19	0.45	19	0.66	19
Min		74	16	12	1.33	8	1.68	1	0.75	1	0.61	1	0.61	1	0.45	1
Max		122	53	20	2.95	53	5.77	65	2.21	65	4.26	65	1.74	65	2.05	65
NumSignificantSites		**47**	**47**	**47**	**4**	**4**	**1**		**0**		**1**		**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5K

					Grain Yields - Managed Drought Stress								Secondary Traits - Managed Drought		
Entry	Name	Across			Across		Nanga Zam		Chiredzi Zim		Save Valley Zim		ASI	EPP	SEN
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo			
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	d	#	0-10
Entries with anthesis dates between 59 and 61 days															
62	CZH0743	84	46	16	2.20	13	2.77	6	1.63	20	0.35	21	2.6	0.72	6.0
34	CZH04012	83	47	16	2.01	21	2.09	34	1.93	7	0.54	13	2.5	0.88	6.4
61	CZH0742	83	48	15	1.84	30	1.82	49	1.85	10	0.39	19	3.1	0.69	6.0
60	CZH0741	82	48	16	2.00	20	2.39	19	1.61	21	0.48	16	2.8	0.82	4.5
35	CZH071	84	48	16	2.30	12	2.36	21	2.24	2	0.83	7	2.0	0.87	6.0
Maturity group average		83	47	16	2.07	19	2.29	26	1.85	12	0.52	15	2.6	0.80	5.8
Entries with anthesis dates between 62 an 64 days															
53	CZH0734	99	34	16	1.74	32	2.03	39	1.44	24	0.14	36	3.8	0.61	5.3
54	CZH0735	96	35	14	2.47	5	3.03	1	1.91	8	0.93	2	3.7	0.69	6.2
56	CZH0737	95	36	17	2.40	7	2.97	2	1.83	11	0.05	50	2.0	0.69	6.2
55	CZH0736	86	45	15	2.45	5	2.78	5	2.12	4	0.08	44	3.6	0.63	5.7
58	CZH0739	83	47	14	2.02	18	2.54	14	1.49	22	0.69	8	2.6	0.60	5.9
57	CZH0738	78	51	13	1.82	25	2.28	24	1.37	26	0.85	5	3.8	0.71	5.7
59	CZH0740	74	53	12	2.01	20	2.75	7	1.27	33	0.64	10	1.9	0.76	6.2
Maturity group average		87	43	14	2.13	16	2.63	13	1.63	18	0.48	22	3.1	0.67	5.9
Entries with anthesis dates between 65 and 67 days															
21	CZH0613	116	22	18	1.89	29	1.78	52	1.99	6	0.26	27	1.4	0.68	5.4
49	CZH0524	114	23	15	2.06	17	2.25	25	1.87	9	.	.	3.8	0.45	5.7
20	CZH0615	109	24	12	1.77	29	2.19	29	1.35	28	0.02	58	4.4	0.54	5.8
64	CZH0746	103	29	15	1.77	33	1.81	50	1.73	16	0.58	12	3.8	0.57	4.5
51	CZH0731	101	33	16	1.51	44	1.76	53	1.26	35	0.25	28	4.6	0.58	5.5
52	CZH0732	100	36	17	1.60	40	2.04	38	1.16	42	0.00	60	4.8	0.50	5.5
1	WH 105	92	39	15	1.66	36	2.10	32	1.23	39	0.03	51	4.6	0.50	6.2
36	CZH04003	90	43	15	1.60	39	1.49	60	1.70	18	0.25	28	3.2	0.62	4.9
6	Pan 4M-19	84	45	15	1.43	46	2.21	28	0.66	64	0.30	22	2.7	0.51	5.9
16	SC415	83	48	16	2.33	10	2.90	4	1.75	15	0.01	59	3.6	0.51	6.0
37	CZH04002	82	48	14	1.11	60	1.30	62	0.92	58	0.23	31	3.5	0.56	4.5
Maturity group average		98	36	15	1.70	35	1.98	39	1.42	30	0.19	38	3.7	0.55	5.4
Entries with anthesis dates between 68 and 70 days															
30	CZH0728	122	16	14	1.73	35	2.47	17	0.99	52	0.08	44	1.6	0.58	5.3
23	CZH0616	119	17	15	2.44	6	2.73	8	2.15	3	0.28	24	1.3	0.54	5.2
31	CZH0724	117	18	15	2.20	13	2.37	20	2.02	5	0.05	47	4.2	0.54	4.8
19	AFG4663	119	19	17	1.78	34	2.60	13	0.95	55	0.89	3	2.0	0.53	5.5
4	013WH29	113	20	15	1.84	30	1.91	46	1.76	14	1.07	1	4.9	0.52	5.0
44	CZH0536	112	21	14	1.98	27	2.97	3	1.00	51	0.13	38	11.9	0.56	5.8
24	CZH0610	113	22	16	1.71	34	1.98	43	1.43	25	0.42	18	2.0	0.53	5.5
7	Pan 53	110	23	19	1.57	42	2.02	40	1.13	44	0.83	6	9.7	0.54	5.4
18	AFG4611	113	24	19	1.48	46	1.73	54	1.23	38	0.09	41	4.0	0.49	5.3
25	CZH0720	111	24	15	1.89	27	2.00	41	1.78	13	0.67	9	3.1	0.59	5.9
32	CZH0729	108	24	16	1.77	29	2.29	22	1.24	36	0.09	42	3.8	0.52	5.6
48	CZH0535	110	24	15	2.51	6	2.62	10	2.40	1	0.45	17	3.0	0.54	4.8
33	CZH0727	112	25	17	1.46	47	1.69	57	1.23	37	.	.	4.1	0.48	5.8
22	CZH01008	107	25	16	2.12	15	2.46	18	1.78	12	0.50	15	3.2	0.70	5.5
45	CZH0521	108	25	19	1.37	43	1.27	63	1.46	23	0.27	25	2.3	0.49	5.2
46	CZH03005	109	26	16	1.94	22	2.63	9	1.26	34	0.03	51	2.0	0.64	5.4
38	CZH04032	108	27	16	1.79	32	1.94	45	1.65	19	0.39	19	2.0	0.58	4.9
42	CZH04005	103	29	14	1.69	33	2.09	33	1.28	32	0.16	34	3.6	0.52	5.7
47	CZH0526	105	29	17	1.72	31	2.15	30	1.28	31	0.08	44	3.1	0.47	5.2
43	CZH0530	102	33	19	1.35	50	1.53	59	1.17	41	0.18	33	4.1	0.34	5.7
15	SC531	99	33	17	1.78	33	2.60	12	0.97	54	0.63	11	2.4	0.69	5.0
3	WH002	100	33	17	1.43	50	1.80	51	1.07	48	0.03	51	6.5	0.39	5.3
11	ZMS 526	99	33	17	1.70	32	2.09	35	1.32	29	.	.	5.4	0.46	5.1
10	Pan 7M-97	98	33	19	1.73	36	2.54	15	0.93	57	0.20	32	5.7	0.47	6.0
63	CZH0744	103	34	18	1.84	30	2.52	16	1.15	43	0.23	30	1.8	0.67	5.6
41	CZH066	97	34	16	1.69	34	2.28	23	1.10	45	0.54	14	7.1	0.48	4.8
12	ZMS 508	97	35	16	1.59	41	2.23	26	0.95	56	0.00	60	6.4	0.39	5.7
5	013WH30	95	35	19	1.59	38	1.83	48	1.35	27	0.13	37	3.7	0.51	5.2
39	CZH065	98	35	14	1.50	43	1.69	56	1.31	30	0.03	51	2.3	0.56	6.1
14	30D79	92	37	20	0.65	65	1.06	64	0.23	65	0.10	40	8.4	0.36	6.0
40	CZH064	96	37	16	1.34	55	1.91	47	0.77	63	0.03	51	7.7	0.48	5.2
13	30G97	94	38	18	1.25	59	1.73	55	0.78	62	0.28	23	4.6	0.36	6.1
65	Local Check	90	39	19	1.33	52	1.59	58	1.08	46	0.03	57	4.5	0.41	5.7
50	CZH0730	93	40	15	1.82	30	2.61	11	1.03	49	0.05	47	2.9	0.48	5.7
9	Pan 77	93	41	17	1.43	49	2.05	37	0.81	61	0.85	4	8.8	0.44	5.6
17	SC411	79	50	13	1.03	58	1.05	65	1.01	50	0.27	25	6.1	0.37	6.1
Maturity group average		104	29	17	1.67	36	2.08	35	1.25	38	0.29	31	4.4	0.51	5.5
Entries with anthesis dates greater than 70 days															
27	CZH0724	117	20	15	1.48	48	2.07	36	0.88	59	0.03	51	7.0	0.37	5.3
28	CZH0726	116	21	16	1.51	46	2.14	31	0.88	60	0.00	62	8.9	0.36	5.6
29	CZH0727	111	24	17	1.27	54	1.47	61	1.07	47	0.09	42	5.9	0.49	5.6
26	CZH0722	108	24	16	1.97	22	2.22	27	1.72	17	0.11	39	7.8	0.49	4.9
2	WH 403	105	27	15	1.49	48	1.99	42	0.98	53	0.05	47	5.3	0.43	5.2
8	Pan 63	100	30	19	1.59	42	1.96	44	1.22	40	0.14	35	7.7	0.36	5.8
Maturity group average		109	24	16	1.55	43	1.98	40	1.12	46	0.07	46	7.1	0.42	5.4
Mean		100	33	16	1.74	33	2.13	33	1.36	33	0.30	31	4.3	0.55	5.5
LSD (0.05)		12	10	2	0.77	15	0.90	19	0.87	19	0.52	18	4.8	0.17	1.0
Min		74	16	12	0.65	5	1.05	1	0.23	1	0.00	1	1.3	0.34	4.5
Max		122	53	20	2.51	65	3.03	65	2.40	65	1.07	62	11.9	0.88	6.4
NumSignificantSites		**47**	**47**	**47**	**2**	**2**	**1**		**1**		**0**		**2**	**3**	**1**

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5L

Grain Yields - Low N Stress

Entry	Name	Across			Across		Chokwe Moz		Chokwe Moz		Chitedze Mal		Harare Zim		Harare Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																
62	CZH0743	84	46	16	0.63	49	0.17	46	0.42	47	1.17	57	1.08	50	0.28	34
34	CZH04012	83	47	16	0.85	36	0.34	40	0.58	34	1.40	46	1.73	11	0.34	23
61	CZH0742	83	48	15	0.84	46	.	.	0.37	53	1.77	30	1.12	48	0.24	43
60	CZH0741	82	48	16	0.72	44	0.48	29	0.35	56	1.15	58	1.33	34	0.28	31
35	CZH071	84	48	16	0.85	41	.	.	0.71	26	1.23	54	1.13	47	0.27	36
Maturity group average		83	47	16	0.78	43	0.33	38	0.48	43	1.34	49	1.28	38	0.28	33
Entries with anthesis dates between 62 an 64 days																
53	CZH0734	99	34	16	1.00	29	0.26	43	0.34	58	2.12	18	1.88	6	0.40	16
54	CZH0735	96	35	14	0.94	39	.	.	0.40	49	1.71	32	1.50	19	0.13	60
56	CZH0737	95	36	17	0.68	50	0.12	47	0.36	55	1.65	34	1.15	45	0.19	53
55	CZH0736	86	45	15	0.65	47	0.30	42	0.54	36	1.09	60	1.01	54	0.28	33
58	CZH0739	83	47	14	0.72	46	0.44	34	0.39	52	1.23	53	1.17	44	0.23	45
57	CZH0738	78	51	13	0.89	39	.	.	0.59	33	1.51	42	1.39	30	0.30	29
59	CZH0740	74	53	12	0.49	58	-0.12	49	0.23	63	1.07	61	0.90	58	0.18	57
Maturity group average		87	43	14	0.77	44	0.20	43	0.41	49	1.48	43	1.28	37	0.24	42
Entries with anthesis dates between 65 and 67 days																
21	CZH0613	116	22	18	1.41	8	0.91	7	0.69	27	3.03	2	1.90	4	0.80	1
49	CZH0524	114	23	15	1.43	14	.	.	.	.	2.68	7	1.48	21	0.50	6
20	CZH0615	109	24	12	1.09	21	0.82	13	0.81	21	1.76	31	1.82	9	0.32	26
64	CZH0746	103	29	15	0.80	40	0.25	44	0.42	46	1.47	44	1.46	24	0.28	35
51	CZH0731	101	33	16	1.10	29	1.12	2	1.30	4	2.02	23	1.00	55	0.19	54
52	CZH0732	100	36	17	1.13	31	1.23	1	1.50	3	1.94	26	1.18	42	0.15	59
1	WH 105	92	39	15	0.87	31	0.53	23	0.47	44	1.67	33	1.09	49	0.44	11
36	CZH04003	90	43	15	0.94	32	0.90	8	0.49	42	2.04	21	1.02	52	0.40	15
6	Pan 4M-19	84	45	15	0.59	53	.	.	0.78	23	0.51	65	0.80	60	0.05	65
16	SC415	83	48	16	0.68	55	.	.	0.25	62	1.61	37	0.54	64	0.12	61
37	CZH04002	82	48	14	0.97	35	.	.	0.51	38	1.91	27	1.19	39	0.32	27
Maturity group average		98	36	15	1.00	32	0.82	14	0.72	31	1.88	29	1.23	38	0.32	33
Entries with anthesis dates between 68 and 70 days																
30	CZH0728	122	16	14	1.38	14	.	.	.	.	2.48	12	1.36	31	0.45	9
23	CZH0616	119	17	15	1.29	12	0.84	12	0.90	14	2.91	3	1.50	18	0.52	4
31	CZH0724	117	18	15	1.07	21	.	.	0.49	41	1.64	35	1.49	20	0.46	8
19	AFG4663	119	19	17	1.08	20	0.86	10	1.07	8	1.78	29	1.33	33	0.36	19
4	013WH29	113	20	15	0.85	31	0.46	33	0.48	43	1.19	56	1.48	23	0.36	18
44	CZH0536	112	21	14	0.98	28	0.34	41	0.75	24	2.21	17	1.18	41	0.35	20
24	CZH0610	113	22	16	1.26	14	0.41	35	1.11	6	2.63	9	1.83	8	0.51	5
7	Pan 53	110	23	19	1.25	13	0.50	26	0.87	17	2.91	4	1.55	16	0.43	12
18	AFG4611	113	24	19	1.36	20	1.04	3	1.91	1	1.63	36	2.36	1	0.22	48
25	CZH0720	111	24	15	1.15	18	0.47	31	1.12	5	2.36	14	1.48	22	0.34	22
32	CZH0729	108	24	16	1.03	30	.	.	0.33	59	2.11	19	1.22	38	0.41	14
48	CZH0535	110	24	15	1.15	22	1.00	4	0.65	28	2.55	10	1.46	25	0.29	30
33	CZH0727	112	25	17	1.44	6	0.86	11	0.98	9	3.27	1	1.76	10	0.57	2
22	CZH01008	107	25	16	1.01	27	0.56	21	0.84	20	1.98	24	1.34	32	0.19	55
45	CZH0521	108	25	19	0.97	29	0.98	5	0.95	12	1.82	28	0.88	59	0.38	17
46	CZH03005	109	26	16	1.08	22	0.67	17	0.88	16	2.28	15	1.32	35	0.33	24
38	CZH04032	108	27	16	1.34	16	0.96	6	0.97	10	2.65	8	2.21	2	0.35	21
42	CZH04005	103	29	14	0.83	38	0.47	32	0.64	30	1.35	47	1.32	36	0.24	41
47	CZH0526	105	29	17	0.81	37	0.51	24	0.39	50	1.61	38	1.01	53	0.47	7
43	CZH0530	102	33	19	1.11	17	0.89	9	0.72	25	1.61	39	1.89	5	0.52	3
15	SC531	99	33	17	0.76	41	0.49	27	0.51	37	1.31	49	1.39	29	0.25	40
3	WH002	100	33	17	0.95	30	0.23	45	0.89	15	2.08	20	1.13	46	0.44	10
11	ZMS 526	99	33	17	1.06	35	.	.	0.44	45	1.11	59	1.51	17	0.21	51
10	Pan 7M-97	98	33	19	0.79	39	0.41	37	0.84	19	1.05	62	1.18	40	0.23	44
63	CZH0744	103	34	18	1.00	29	0.59	20	1.58	2	1.30	51	1.17	43	0.43	13
41	CZH066	97	34	16	1.13	25	.	.	0.41	48	2.40	13	1.40	28	0.31	28
12	ZMS 508	97	35	16	0.75	47	.	.	0.32	60	1.57	40	0.63	63	0.23	46
5	013WH30	95	35	19	0.87	35	0.40	38	0.50	39	1.50	43	1.58	15	0.27	37
39	CZH065	98	35	14	0.95	33	0.41	36	0.65	29	2.03	22	1.42	27	0.22	47
14	30D79	92	37	20	0.76	47	.	.	0.27	61	1.27	52	0.96	57	0.22	49
40	CZH064	96	37	16	0.81	39	0.65	19	0.79	22	1.22	55	1.03	51	0.20	52
13	30G97	94	38	18	0.76	51	.	.	0.35	56	1.56	41	0.76	61	0.18	56
65	Local Check	90	39	19	0.83	42	0.48	28	0.39	51	1.45	45	1.84	7	0.12	62
50	CZH0730	93	40	15	0.83	38	0.67	18	0.86	18	1.00	63	1.28	37	0.16	58
9	Pan 77	93	41	17	0.74	46	0.72	16	0.37	54	1.32	48	0.99	56	0.09	64
17	SC411	79	50	13	0.54	53	0.10	48	0.63	32	0.76	64	0.74	62	0.11	63
Maturity group average		104	29	17	1.00	30	0.61	23	0.74	29	1.83	33	1.36	32	0.32	31
Entries with anthesis dates greater than 70 days																
27	CZH0724	117	20	15	1.18	18	0.50	25	0.93	13	2.79	5	1.45	26	0.28	32
28	CZH0726	116	21	16	1.31	12	0.76	15	0.97	11	2.75	6	1.98	3	0.32	25
29	CZH0727	111	24	17	1.24	16	0.80	14	1.10	7	2.51	11	1.68	12	0.25	38
26	CZH0722	108	24	16	1.03	24	0.54	22	0.58	35	1.97	25	1.63	13	0.24	42
2	WH 403	105	27	15	1.06	24	0.48	30	0.64	31	2.25	16	1.60	14	0.25	39
8	Pan 63	100	30	19	0.66	43	0.36	39	0.50	39	1.31	50	0.47	65	0.21	50
Maturity group average		109	24	16	1.08	23	0.57	24	0.78	23	2.26	19	1.47	22	0.26	38
Mean		100	33	16	0.96	32	0.58	25	0.68	32	1.80	33	1.33	33	0.30	33
LSD (0.05)		12	10	2	0.23	13	0.48	14	0.62	18	0.69	19	0.77	19	0.24	19
Min		74	16	12	0.49	6	-0.12	1	0.23	1	0.51	1	0.47	1	0.05	1
Max		122	53	20	1.44	58	1.23	49	1.91	63	3.27	65	2.36	65	0.80	65
NumSignificantSites		**47**	**47**	**47**	**6**	**6**	**1**		**1**		**1**		**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5M

					Grain Yields - Low N Stress		Secondary Traits - Low N Stress			Grain Yields - Low pH Stress				Grain Yield - MSV	
Entry	Name	Across			Rattray-Arnold Zim		ASI	EPP	SEN	Across		Kasama Zam		Harare Zim	
		RelGY	Rank		GrainYield	RankNo				GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	d	#	0-10	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days															
62	CZH0743	84	46	16	0.67	61	3.5	0.58	5.8	2.81	19	2.81	19	6.94	47
34	CZH04012	83	47	16	0.68	60	0.9	0.70	5.8	2.75	22	2.75	22	6.09	58
61	CZH0742	83	48	15	0.71	58	3.5	0.65	6.7	2.19	57	2.19	57	6.25	54
60	CZH0741	82	48	16	0.75	56	1.6	0.65	5.9	2.20	56	2.20	56	6.19	55
35	CZH071	84	48	16	0.94	40	2.7	0.62	6.7	2.26	53	2.26	53	5.58	62
Maturity group average		83	47	16	0.75	55	2.5	0.64	6.2	2.44	41	2.44	41	6.21	55
Entries with anthesis dates between 62 an 64 days															
53	CZH0734	99	34	16	1.00	30	1.7	0.75	5.6	2.73	23	2.73	23	8.39	38
54	CZH0735	96	35	14	0.98	35	1.9	0.55	5.9	2.87	17	2.87	17	8.80	27
56	CZH0737	95	36	17	0.62	64	3.5	0.57	5.9	3.29	8	3.29	8	6.64	52
55	CZH0736	86	45	15	0.68	59	4.3	0.54	6.7	2.67	25	2.67	25	6.58	53
58	CZH0739	83	47	14	0.85	50	-0.4	0.66	6.2	2.37	45	2.37	45	5.84	61
57	CZH0738	78	51	13	0.65	63	1.7	0.62	6.2	1.39	65	1.39	65	5.96	59
59	CZH0740	74	53	12	0.67	62	3.8	0.54	6.1	2.66	26	2.66	26	5.91	60
Maturity group average		87	43	14	0.78	52	2.4	0.60	6.1	2.57	30	2.57	30	6.87	50
Entries with anthesis dates between 65 and 67 days															
21	CZH0613	116	22	18	1.15	8	1.8	0.76	4.9	2.10	61	2.10	61	8.96	23
49	CZH0524	114	23	15	1.06	22	4.6	0.65	4.1	4.28	1	4.28	1	10.71	4
20	CZH0615	109	24	12	1.01	28	1.2	0.72	4.6	2.88	16	2.88	16	10.59	5
64	CZH0746	103	29	15	0.91	45	1.8	0.64	5.0	3.17	11	3.17	11	10.54	7
51	CZH0731	101	33	16	0.99	33	0.6	0.58	5.1	2.53	36	2.53	36	9.56	15
52	CZH0732	100	36	17	0.79	54	2.5	0.64	5.0	2.63	27	2.63	27	8.48	36
1	WH 105	92	39	15	1.01	27	1.0	0.61	4.7	2.93	15	2.93	15	7.23	46
36	CZH04003	90	43	15	0.78	55	2.1	0.70	4.1	2.59	30	2.59	30	6.18	56
6	Pan 4M-19	84	45	15	0.82	52	5.4	0.47	6.7	2.81	18	2.81	18	4.96	65
16	SC415	83	48	16	0.85	49	5.7	0.58	6.4	2.24	54	2.24	54	5.44	64
37	CZH04002	82	48	14	0.90	46	1.1	0.66	5.3	2.30	50	2.30	50	6.93	48
Maturity group average		98	36	15	0.93	38	2.5	0.64	5.1	2.77	29	2.77	29	8.14	34
Entries with anthesis dates between 68 and 70 days															
30	CZH0728	122	16	14	1.22	5	6.0	0.60	4.3	2.42	40	2.42	40	9.56	16
23	CZH0616	119	17	15	1.06	21	1.3	0.69	3.6	3.21	10	3.21	10	9.14	20
31	CZH0724	117	18	15	1.28	2	1.3	0.63	5.2	2.37	44	2.37	44	9.96	9
19	AFG4663	119	19	17	1.09	18	1.3	0.58	3.7	2.13	58	2.13	58	7.74	41
4	013WH29	113	20	15	1.11	14	3.1	0.70	4.2	3.70	2	3.70	2	10.54	6
44	CZH0536	112	21	14	1.03	24	1.3	0.60	3.6	3.30	7	3.30	7	6.84	49
24	CZH0610	113	22	16	1.07	20	2.1	0.70	4.3	2.39	42	2.39	42	9.47	18
7	Pan 53	110	23	19	1.23	3	2.5	0.66	3.1	2.39	43	2.39	43	12.48	1
18	AFG4611	113	24	19	1.00	32	3.1	0.64	4.0	2.59	33	2.59	33	9.81	11
25	CZH0720	111	24	15	1.12	11	1.9	0.70	4.6	2.29	51	2.29	51	9.68	12
32	CZH0729	108	24	16	1.08	19	6.0	0.57	4.8	2.51	37	2.51	37	9.02	22
48	CZH0535	110	24	15	0.98	36	2.8	0.59	4.2	2.40	41	2.40	41	10.30	8
33	CZH0727	112	25	17	1.23	4	1.1	0.69	3.8	2.71	24	2.71	24	8.71	30
22	CZH01008	107	25	16	1.15	9	2.9	0.58	4.7	2.57	35	2.57	35	8.49	34
45	CZH0521	108	25	19	0.81	53	1.8	0.59	3.6	2.62	28	2.62	28	7.43	43
46	CZH03005	109	26	16	1.03	25	1.0	0.63	5.1	2.59	31	2.59	31	8.55	33
38	CZH04032	108	27	16	0.87	48	1.5	0.73	2.9	2.31	49	2.31	49	6.77	51
42	CZH04005	103	29	14	0.92	42	3.4	0.58	5.0	2.57	34	2.57	34	9.60	14
47	CZH0526	105	29	17	0.84	51	1.9	0.63	3.2	3.30	6	3.30	6	9.43	19
43	CZH0530	102	33	19	1.05	23	0.6	0.62	4.0	1.91	63	1.91	63	9.83	10
15	SC531	99	33	17	0.58	65	1.3	0.68	5.2	2.77	20	2.77	20	7.24	45
3	WH002	100	33	17	0.92	43	1.6	0.61	4.2	3.24	9	3.24	9	8.82	26
11	ZMS 526	99	33	17	2.02	1	5.9	0.47	4.6	2.76	21	2.76	21	9.68	13
10	Pan 7M-97	98	33	19	1.01	29	3.8	0.53	5.2	2.10	62	2.10	62	8.72	28
63	CZH0744	103	34	18	0.92	44	0.6	0.65	5.2	3.58	3	3.58	3	8.33	40
41	CZH066	97	34	16	1.15	10	2.5	0.66	3.0	2.12	59	2.12	59	9.11	21
12	ZMS 508	97	35	16	1.03	26	3.7	0.52	3.8	2.93	14	2.93	14	8.83	25
5	013WH30	95	35	19	0.97	38	1.6	0.58	4.2	3.48	4	3.48	4	6.14	57
39	CZH065	98	35	14	0.99	34	2.2	0.57	4.0	2.31	48	2.31	48	5.55	63
14	30D79	92	37	20	1.10	16	5.3	0.45	3.4	1.70	64	1.70	64	8.91	24
40	CZH064	96	37	16	0.97	37	1.6	0.56	4.0	2.50	38	2.50	38	7.43	44
13	30G97	94	38	18	0.93	41	2.5	0.58	4.6	3.15	12	3.15	12	8.49	35
65	Local Check	90	39	19	0.72	57	2.8	0.55	3.6	3.13	13	3.13	13	8.44	37
50	CZH0730	93	40	15	1.00	31	4.1	0.60	4.9	2.36	46	2.36	46	8.36	39
9	Pan 77	93	41	17	0.94	39	2.7	0.53	5.3	2.12	60	2.12	60	7.58	42
17	SC411	79	50	13	0.89	47	3.0	0.38	3.7	2.27	52	2.27	52	6.77	50
Maturity group average		104	29	17	1.04	28	2.6	0.60	4.2	2.63	33	2.63	33	8.66	29
Entries with anthesis dates greater than 70 days															
27	CZH0724	117	20	15	1.15	7	1.7	0.63	3.9	3.47	5	3.47	5	8.61	32
28	CZH0726	116	21	16	1.11	13	2.9	0.59	3.4	2.23	55	2.23	55	10.88	3
29	CZH0727	111	24	17	1.10	15	1.9	0.66	3.3	2.36	47	2.36	47	10.95	2
26	CZH0722	108	24	16	1.20	6	2.8	0.61	3.6	2.59	32	2.59	32	9.52	17
2	WH 403	105	27	15	1.12	12	3.6	0.56	3.7	2.47	39	2.47	39	8.71	29
8	Pan 63	100	30	19	1.09	17	4.3	0.44	5.0	2.59	29	2.59	29	8.61	31
Maturity group average		109	24	16	1.13	12	2.8	0.58	3.8	2.62	35	2.62	35	9.55	19
Mean		100	33	16	0.98	33	2.6	0.61	4.7	2.63	33	2.63	33	8.27	33
LSD (0.05)		12	10	2	0.35	19	2.2	0.12	1.0	0.86	19	0.86	19	1.44	19
Min		74	16	12	0.58	1	-0.4	0.38	2.9	1.39	1	1.39	1	4.96	1
Max		122	53	20	2.02	65	6.0	0.76	6.7	4.28	65	4.28	65	12.48	65
NumSignificantSites		**47**	**47**	**47**	**1**		**3**	**3**	**1**	**1**	**1**	**1**		**1**	

EIHYB08: Results of evaluation of early to intermediate maturing hybrids from CIMMYT, Western Seeds, AREX-Zimbabwe, Pannar, Zamseed, Pioneer, Seedco and AFGRI across 56 sites in eastern and southern Africa, 2007/08.

TABLE 5N

Entry	Name	Across			Grain Yields - Mid Altitude Central Africa								Grain Yields - Mega-Environments Unknown					
					Across		Kaniameshi Dem		Kasinga Dem		Kipopo Dem		Across		Inhaloongo Moz		Karatu Tan	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 59 and 61 days																		
62	CZH0743	84	46	16	2.26	51	2.22	50	2.29	52	0.16	28	2.95	21	2.46	19	3.45	23
34	CZH04012	83	47	16	2.73	33	2.86	25	2.60	40	.	.	2.03	58	1.45	62	2.62	53
61	CZH0742	83	48	15	2.09	56	2.02	56	2.17	56	0.22	18	2.23	47	2.12	36	2.35	58
60	CZH0741	82	48	16	2.08	57	1.94	58	2.23	55	0.14	31	2.59	36	2.33	24	2.84	47
35	CZH071	84	48	16	2.08	54	2.46	44	1.71	63	.	.	2.50	40	1.88	46	3.12	34
Maturity group average		83	47	16	2.25	50	2.30	47	2.20	53	0.17	26	2.46	40	2.05	37	2.88	43
Entries with anthesis dates between 62 an 64 days																		
53	CZH0734	99	34	16	3.54	7	3.70	4	3.37	10	0.36	12	3.24	25	1.93	43	4.55	7
54	CZH0735	96	35	14	2.63	38	2.48	43	2.78	33	0.37	10	2.59	35	2.19	31	2.99	38
56	CZH0737	95	36	17	2.91	31	3.45	11	2.36	50	0.02	46	2.63	34	2.18	32	3.07	36
55	CZH0736	86	45	15	2.63	36	2.67	31	2.59	41	.	.	2.60	34	2.35	23	2.86	45
58	CZH0739	83	47	14	2.86	32	3.40	12	2.32	51	0.58	4	2.06	56	1.65	57	2.46	55
57	CZH0738	78	51	13	1.91	59	1.73	60	2.09	58	0.11	35	2.05	52	1.95	42	2.15	61
59	CZH0740	74	53	12	1.68	57	0.97	65	2.39	49	.	.	2.02	55	1.69	53	2.36	57
Maturity group average		87	43	14	2.59	37	2.63	32	2.56	42	0.29	21	2.45	41	1.99	40	2.92	43
Entries with anthesis dates between 65 and 67 days																		
21	CZH0613	116	22	18	2.24	44	1.53	63	2.94	24	.	.	3.87	4	3.18	1	4.56	6
49	CZH0524	114	23	15	3.56	10	3.00	19	4.11	1	0.18	24	2.76	30	2.69	12	2.83	48
20	CZH0615	109	24	12	3.18	17	3.33	14	3.03	19	0.11	34	3.10	16	2.93	4	3.27	28
64	CZH0746	103	29	15	2.62	38	2.49	41	2.75	34	.	.	3.86	6	2.72	10	5.00	1
51	CZH0731	101	33	16	2.93	29	3.34	13	2.53	44	.	.	2.96	21	2.43	20	3.49	21
52	CZH0732	100	36	17	2.49	36	1.55	62	3.43	9	0.20	21	2.76	29	2.23	30	3.28	27
1	WH 105	92	39	15	2.41	46	2.18	52	2.65	39	0.18	26	1.98	55	1.87	47	2.09	63
36	CZH04003	90	43	15	2.37	46	2.61	34	2.13	57	0.08	40	2.59	34	2.61	14	2.57	54
6	Pan 4M-19	84	45	15	2.12	54	2.33	47	1.91	60	0.24	16	2.08	51	2.09	38	2.08	64
16	SC415	83	48	16	2.52	41	2.20	51	2.84	30	-0.01	49	3.07	16	2.51	16	3.63	16
37	CZH04002	82	48	14	2.31	44	2.81	26	1.81	62	0.03	45	2.78	34	1.67	54	3.88	13
Maturity group average		98	36	15	2.61	36	2.49	38	2.74	34	0.13	32	2.89	27	2.45	22	3.33	31
Entries with anthesis dates between 68 and 70 days																		
30	CZH0728	122	16	14	2.77	30	2.52	39	3.02	21	0.05	43	3.84	7	2.70	11	4.97	2
23	CZH0616	119	17	15	3.64	7	3.68	5	3.60	8	0.10	37	3.42	9	2.73	8	4.10	10
31	CZH0724	117	18	15	3.00	27	3.57	7	2.42	47	0.00	48	3.42	21	2.10	37	4.75	4
19	AFG4663	119	19	17	2.09	52	1.63	61	2.54	43	.	.	3.18	15	2.89	7	3.47	22
4	013WH29	113	20	15	3.34	12	3.56	8	3.13	15	0.42	7	2.28	49	1.66	55	2.90	42
44	CZH0536	112	21	14	2.85	31	3.24	15	2.47	46	0.07	41	3.21	13	3.01	2	3.42	24
24	CZH0610	113	22	16	3.36	12	2.96	20	3.76	3	.	.	2.57	32	2.99	3	2.16	60
7	Pan 53	110	23	19	2.49	41	2.14	53	2.85	28	0.09	39	3.13	19	2.31	27	3.96	11
18	AFG4611	113	24	19	2.06	47	2.78	28	1.34	65	-0.16	50	2.37	40	2.39	21	2.35	59
25	CZH0720	111	24	15	2.90	22	2.62	32	3.18	12	0.19	23	2.63	34	2.18	33	3.09	35
32	CZH0729	108	24	16	4.01	9	4.92	1	3.09	17	0.10	38	2.99	19	2.47	17	3.51	20
48	CZH0535	110	24	15	3.34	12	3.01	18	3.68	5	0.26	15	2.25	51	1.65	56	2.85	46
33	CZH0727	112	25	17	2.10	47	1.35	64	2.84	29	0.18	24	3.13	14	2.73	9	3.53	18
22	CZH01008	107	25	16	2.55	36	1.95	57	3.15	14	0.36	11	2.96	21	2.92	5	3.01	37
45	CZH0521	108	25	19	3.10	17	2.90	23	3.30	11	0.12	33	2.40	45	2.07	39	2.74	50
46	CZH03005	109	26	16	2.63	36	2.37	46	2.89	26	0.22	17	3.80	8	2.67	13	4.93	3
38	CZH04032	108	27	16	3.18	18	2.73	29	3.64	6	0.04	44	2.92	23	2.32	26	3.52	19
42	CZH04005	103	29	14	2.40	46	2.09	54	2.71	37	.	.	2.97	25	2.13	35	3.81	14
47	CZH0526	105	29	17	2.94	23	2.93	22	2.95	23	0.20	22	2.63	38	1.63	58	3.62	17
43	CZH0530	102	33	19	3.02	27	3.53	9	2.51	45	.	.	2.35	47	1.90	44	2.80	49
15	SC531	99	33	17	2.26	51	2.24	49	2.28	53	0.20	20	2.18	52	1.72	52	2.63	52
3	WH002	100	33	17	2.65	36	2.50	40	2.80	32	0.76	2	3.50	12	2.58	15	4.42	8
11	ZMS 526	99	33	17	2.95	21	2.86	24	3.04	18	0.06	42	2.41	39	2.38	22	2.44	56
10	Pan 7M-97	98	33	19	2.53	39	2.07	55	2.99	22	0.60	3	2.48	40	1.98	41	2.98	39
63	CZH0744	103	34	18	3.27	14	2.93	21	3.61	7	0.14	30	2.56	37	2.25	29	2.86	44
41	CZH066	97	34	16	2.62	36	2.37	45	2.87	27	0.41	8	3.23	17	2.33	25	4.13	9
12	ZMS 508	97	35	16	3.01	24	3.21	17	2.82	31	.	.	2.33	46	1.49	61	3.18	31
5	013WH30	95	35	19	2.74	31	2.30	48	3.17	13	0.39	9	1.90	54	0.93	65	2.88	43
39	CZH065	98	35	14	3.18	21	3.65	6	2.72	36	.		2.90	22	2.46	18	3.34	25
14	30D79	92	37	20	2.60	38	2.80	27	2.40	48	0.26	14	2.25	50	1.84	49	2.66	51
40	CZH064	96	37	16	2.80	28	2.57	36	3.03	20	.	.	2.74	30	2.16	34	3.33	26
13	30G97	94	38	18	3.51	10	3.90	3	3.12	16	0.44	6	2.43	43	1.89	45	2.97	40
65	Local Check	90	39	19	1.65	62	1.84	59	1.47	64	0.22	19	2.15	48	1.14	64	3.16	32
50	CZH0730	93	40	15	2.59	38	2.52	38	2.65	38	0.79	1	2.24	48	1.34	63	3.13	33
9	Pan 77	93	41	17	2.30	46	2.62	33	1.99	59	0.10	36	1.85	61	1.59	59	2.10	62
17	SC411	79	50	13	2.53	42	2.49	42	2.58	42	0.31	13	1.77	63	1.53	60	2.00	65
Maturity group average		104	29	17	2.80	30	2.76	32	2.85	29	0.24	24	2.70	33	2.14	34	3.27	32
Entries with anthesis dates greater than 70 days																		
27	CZH0724	117	20	15	3.49	9	3.23	16	3.76	2	0.14	32	2.66	35	2.05	40	3.27	29
28	CZH0726	116	21	16	2.21	49	2.56	37	1.87	61	0.44	5	3.41	9	2.90	6	3.92	12
29	CZH0727	111	24	17	3.85	3	3.99	2	3.71	4	.	.	3.22	28	1.81	50	4.63	5
26	CZH0722	108	24	16	3.19	18	3.47	10	2.90	25	0.17	27	2.48	41	1.74	51	3.21	30
2	WH 403	105	27	15	2.72	33	2.70	30	2.74	35	0.01	47	2.39	45	1.87	48	2.91	41
8	Pan 63	100	30	19	2.43	45	2.61	35	2.26	54	0.15	29	3.04	22	2.31	28	3.77	15
Maturity group average		109	24	16	2.98	26	3.09	22	2.87	30	0.18	28	2.87	30	2.11	37	3.62	22
Mean		100	33	16	2.72	33	2.69	33	2.75	33	0.22	25	2.71	33	2.17	33	3.24	33
LSD (0.05)		12	10	2	0.95	15	1.41	19	1.27	19	0.47	15	0.91	16	0.85	19	1.61	19
Min		74	16	12	1.65	3	0.97	1	1.34	1	-0.16	1	1.77	4	0.93	1	2.00	1
Max		122	53	20	4.01	62	4.92	65	4.11	65	0.79	50	3.87	63	3.18	65	5.00	65
NumSignificantSites		**47**	**47**	**47**	**2**	**2**	**1**		**1**		**0**		**2**	**2**	**1**		**1**	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6C

Grain Yields - Mid-Altitude East Africa

Entry	Name	Pedigree	Across			Across		Bako Eth		Kakamega Ken	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days											
18	CZH0623	CML444/CZL00003//CZL03014	112	15	10	4.47	28	7.32	27	1.62	28
26	CZH055	CML312/CML444//CZL04006	112	15	11	5.38	14	7.32	26	3.44	2
22	CZH059	CML442/CML445//CZL052	101	20	11	3.75	33	6.02	37	1.48	29
19	CZH054	CML312/CML443//CZL052	98	22	10	4.46	28	7.29	29	1.63	26
29	CZH073	CZL071/CZL072//CZL073	92	25	11	3.61	35	5.82	39	1.39	31
Maturity group average			103	19	11	4.33	27	6.76	32	1.91	23
Entries with anthesis dates between 75 and 77 days											
1	PRESTINE EV1	PRESTINE EV1	114	12	8	4.96	17	7.45	25	2.47	9
34	CZH079	CML488/CML395//CZL076	116	12	9	5.80	5	8.73	5	2.87	5
36	CZH0713	CML489/CML444//CZL0617	113	13	10	5.53	11	7.79	18	3.26	3
5	ZMS 623	ZMS 623	111	14	8	5.31	11	8.22	10	2.41	12
23	CZH0511	CML444/CML445//CZL054	111	15	10	4.85	21	7.31	28	2.38	13
25	CZH0625	CML395/CML444//CZL0617	108	16	10	6.45	3	9.89	1	3.01	4
2	PRESTINE EV2	PRESTINE EV2	106	16	11	4.65	21	6.56	36	2.73	6
8	ZMS 720	ZMS 720	104	18	13	4.74	23	8.95	4	0.53	41
6	ZMS 638	ZMS 638	101	18	10	5.07	14	8.19	11	1.95	17
20	CZH0631	CML444/CML395//CZL0619	103	19	11	5.11	15	8.09	15	2.12	15
31	CZH075	CML444/CZL00003//CZL0617	101	19	10	5.04	16	8.16	12	1.92	20
32	CZH076	CML444/CZL00003//CZL074	100	20	11	5.15	14	8.14	13	2.17	14
21	CZH04007	CML489/CML444//CZL04006	104	20	10	4.89	18	7.70	20	2.07	16
24	CZH04008	CML444/CML395//CZL04007	103	20	11	4.63	24	7.63	21	1.62	27
17	SC721	SC721	101	21	14	6.52	2	9.46	2	3.58	1
27	CZH056	CML312/CML444//CML489	100	21	11	4.19	24	5.93	38	2.45	10
11	WH 505	WH 505	98	21	12	4.78	21	7.92	17	1.63	25
39	CZH0625	CML444/CML395//CZL0617	100	21	10	4.10	34	6.93	33	1.26	34
30	CZH074	CML488/CML395//CZL0617	98	21	12	5.08	19	8.71	7	1.44	30
35	CZH0711	CML488/CML395//CZL04006	103	22	13	4.45	25	6.97	31	1.94	18
7	ZMS 652	ZMS 652	96	22	12	4.81	23	8.73	6	0.89	39
15	SC637	SC637	97	23	11	4.42	29	7.49	24	1.34	33
28	CZH052	CML312/CML444//CZL03007	97	24	9	4.42	28	6.96	32	1.88	23
13	30G19	30G19	94	26	9	4.83	21	7.24	30	2.42	11
14	SC635	SC635	91	28	11	4.36	28	6.81	34	1.92	21
42	Local Check	Local Check	91	29	11	5.24	20	9.34	3	1.13	37
38	CZH0715	CML488/CML444//CZL078	68	38	6	1.72	42	3.05	41	0.39	42
Maturity group average			101	20	10	4.85	19	7.72	19	1.99	19
Entries with anthesis dates between 78 and 80 days											
16	SC719	SC719	108	16	13	5.02	17	8.10	14	1.93	19
33	CZH078	CML202/CML395//CZL076	108	18	13	5.26	13	7.79	19	2.73	7
40	CZH078	CML202/CML395//CZL076	100	20	9	5.20	16	8.55	8	1.84	24
10	WH 504	WH 504	101	21	11	3.96	35	6.69	35	1.23	35
3	Pan 8M-91	Pan 8M-91	97	22	12	5.34	12	8.06	16	2.62	8
37	CZH0714	CML489/CML444//CZL077	94	24	11	4.82	21	8.29	9	1.36	32
4	ZMS 602	ZMS 602	95	25	11	4.70	23	7.52	23	1.89	22
9	WH 302	WH 302	85	31	10	3.25	39	5.55	40	0.96	38
12	30V53	30V53	79	33	8	4.39	29	7.62	22	1.15	36
Maturity group average			96	23	11	4.66	23	7.57	21	1.75	25
Entries with anthesis dates greater than 80 days											
41	CZH0716	CZL0613/CZL0616//CML159	40	42	1	1.67	41	2.76	42	0.58	40
Maturity group average			40	42	1	1.67	41	2.76	42	0.58	40
Mean			99	21	10	4.68	22	7.45	22	1.90	22
LSD (0.05)			13	6	2	1.03	10	1.90	12	0.80	12
Min			40	12	1	1.67	2	2.76	1	0.39	1
Max			116	42	14	6.52	42	9.89	42	3.58	42
NumSignificantSites			36	36	36	2	2	1		1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6D

Grain Yields - Mid-Altitude Humid Warm (Zone A)

Entry	Name	Across			Across		Harare Zim		Chitedze Mal		Bembeke Mal		Zomba Mal		Mbawa Mal	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days																
18	CZH0623	112	15	10	6.92	12	8.34	19	7.58	7	3.52	21	5.18	13	5.78	5
26	CZH055	112	15	11	7.05	12	10.24	2	7.06	19	3.92	11	4.93	18	5.28	11
22	CZH059	101	20	11	6.37	21	8.17	21	5.17	40	4.17	5	5.18	12	4.59	25
19	CZH054	98	22	10	6.13	26	8.42	14	6.32	34	3.51	22	4.50	32	4.80	20
29	CZH073	92	25	11	6.18	22	6.18	38	6.98	21	3.61	18	5.26	11	5.61	7
Maturity group average		103	19	11	6.53	19	8.27	19	6.62	24	3.75	15	5.01	17	5.21	14
Entries with anthesis dates between 75 and 77 days																
1	PRESTINE EV1	114	12	8	7.21	10	10.16	4	7.26	14	3.13	28	4.71	26	4.77	21
34	CZH079	116	12	9	6.54	17	7.44	29	7.50	9	3.80	12	5.53	7	5.53	8
36	CZH0713	113	13	10	6.96	15	7.87	26	8.88	1	2.83	31	4.86	21	3.76	37
5	ZMS 623	111	14	8	6.94	14	9.41	8	6.94	23	4.07	7	4.50	31	5.15	14
23	CZH0511	111	15	10	7.00	13	7.28	32	8.12	3	3.61	17	6.65	1	5.36	10
25	CZH0625	108	16	10	6.65	18	10.16	3	6.76	27	3.25	27	5.16	14	5.21	13
2	PRESTINE EV2	106	16	11	7.05	12	8.54	13	7.83	5	3.95	10	5.08	15	6.00	2
8	ZMS 720	104	18	13	6.43	21	8.35	18	6.78	26	4.03	8	4.36	35	4.48	27
6	ZMS 638	101	18	10	6.59	19	8.09	22	7.29	11	2.58	37	4.83	22	4.71	23
20	CZH0631	103	19	11	6.77	16	7.95	25	7.28	12	4.14	6	6.54	2	5.24	12
31	CZH075	101	19	10	6.57	19	8.94	10	7.25	15	2.44	39	4.20	37	3.96	34
32	CZH076	100	20	11	6.48	20	9.44	7	7.28	13	5.01	1	4.39	34	5.45	9
21	CZH04007	104	20	10	6.23	23	7.35	30	6.94	22	3.03	29	5.05	16	3.98	33
24	CZH04008	103	20	11	6.49	21	9.61	6	7.04	20	2.72	34	4.58	28	4.27	29
17	SC721	101	21	14	6.44	21	9.76	5	6.73	28	2.35	40	4.97	17	4.90	18
27	CZH056	100	21	11	6.28	22	7.53	27	7.45	10	3.71	15	5.29	9	3.84	36
11	WH 505	98	21	12	6.30	24	8.35	17	6.47	33	2.97	30	5.26	10	4.04	31
39	CZH0625	100	21	10	6.34	23	7.33	31	7.21	18	3.42	24	4.53	30	5.12	15
30	CZH074	98	21	12	6.11	25	8.69	11	6.80	25	2.79	32	4.55	29	5.00	17
35	CZH0711	103	22	13	5.59	33	6.78	36	6.02	36	4.29	3	4.18	38	4.40	28
7	ZMS 652	96	22	12	6.71	16	8.00	24	7.58	8	3.71	14	4.87	20	5.75	6
15	SC637	97	23	11	6.47	21	7.19	33	7.81	6	2.76	33	4.07	39	5.92	4
28	CZH052	97	24	9	6.36	22	8.22	20	6.83	24	3.35	25	4.90	19	5.10	16
13	30G19	94	26	9	6.18	26	8.39	16	7.23	16	4.26	4	4.62	27	4.84	19
14	SC635	91	28	11	5.60	33	8.07	23	6.08	35	3.99	9	3.75	41	4.21	30
42	Local Check	91	29	11	5.95	27	8.40	15	6.56	31	2.25	41	4.72	24	4.72	22
38	CZH0715	68	38	6	4.29	40	5.93	39	4.48	41	3.30	26	3.99	40	2.81	40
Maturity group average		101	20	10	6.39	21	8.27	20	7.05	19	3.40	22	4.82	23	4.76	21
Entries with anthesis dates between 78 and 80 days																
16	SC719	108	16	13	6.86	13	6.27	37	7.23	17	2.02	42	5.56	6	6.09	1
33	CZH078	108	18	13	6.19	22	4.53	41	8.56	2	4.86	2	5.57	5	4.55	26
40	CZH078	100	20	9	6.74	16	9.27	9	6.63	30	3.71	16	4.80	23	5.94	3
10	WH 504	101	21	11	6.37	21	6.80	35	6.48	32	3.59	19	5.63	3	4.67	24
3	Pan 8M-91	97	22	12	6.83	15	8.68	12	7.94	4	3.45	23	5.47	8	4.00	32
37	CZH0714	94	24	11	6.10	25	7.45	28	5.35	39	3.54	20	4.24	36	2.76	41
4	ZMS 602	95	25	11	6.61	20	10.74	1	6.70	29	2.62	36	5.60	4	3.93	35
9	WH 302	85	31	10	5.63	30	7.17	34	5.66	37	2.51	38	4.71	25	3.59	38
12	30V53	79	33	8	5.35	34	5.05	40	5.53	38	3.75	13	4.45	33	3.56	39
Maturity group average		96	23	11	6.30	22	7.33	26	6.68	25	3.34	23	5.11	16	4.34	27
Entries with anthesis dates greater than 80 days																
41	CZH0716	40	42	1	3.02	42	1.92	42	3.22	42	2.69	35	2.33	42	1.87	42
Maturity group average		40	42	1	3.02	42	1.92	42	3.22	42	2.69	35	2.33	42	1.87	42
Mean		99	21	10	6.31	21	7.92	22	6.83	22	3.41	22	4.85	22	4.66	22
LSD (0.05)		13	6	2	0.61	7	2.46	12	1.46	12	1.87	12	1.32	12	1.93	12
Min		40	12	1	3.02	10	1.92	1	3.22	1	2.02	1	2.33	1	1.87	1
Max		116	42	14	7.21	42	10.74	42	8.88	42	5.01	42	6.65	42	6.09	42
NumSignificantSites		36	36	36	9	9	1		1		0		1		1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6E

Grain Yields - Mid-Altitude Humid Warm (Zone A)

Entry	Name	Across			Across		ART Farm Harare		Africa University		Gwebi Zim		Zamseed Farm Zam		Harare Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days																
18	CZH0623	112	15	10	6.92	12	7.50	21	9.20	5	5.02	33	10.02	7	3.68	2
26	CZH055	112	15	11	7.05	12	7.69	17	8.66	11	7.03	2	8.95	23	3.65	3
22	CZH059	101	20	11	6.37	21	7.15	30	9.23	3	6.61	7	8.76	26	2.51	29
19	CZH054	98	22	10	6.13	26	7.34	26	6.59	34	5.95	19	8.47	35	2.82	19
29	CZH073	92	25	11	6.18	22	6.29	37	7.72	18	6.72	5	8.69	30	2.20	35
Maturity group average		103	19	11	6.53	19	7.19	26	8.28	14	6.26	13	8.98	24	2.97	18
Entries with anthesis dates between 75 and 77 days																
1	PRESTINE EV1	114	12	8	7.21	10	8.28	10	9.33	2	6.86	3	9.95	9	3.55	4
34	CZH079	116	12	9	6.54	17	7.57	19	6.91	28	5.82	24	9.25	20	3.31	8
36	CZH0713	113	13	10	6.96	15	9.52	1	8.26	13	6.26	14	9.96	8	3.25	11
5	ZMS 623	111	14	8	6.94	14	7.99	15	8.54	12	6.54	8	10.09	5	3.29	9
23	CZH0511	111	15	10	7.00	13	8.79	5	9.16	6	4.62	38	9.82	12	3.23	12
25	CZH0625	108	16	10	6.65	18	8.24	11	6.84	29	4.87	36	9.25	19	3.37	7
2	PRESTINE EV2	106	16	11	7.05	12	8.98	4	9.68	1	6.16	16	9.90	11	1.32	42
8	ZMS 720	104	18	13	6.43	21	6.67	36	9.21	4	4.11	39	10.06	6	3.83	1
6	ZMS 638	101	18	10	6.59	19	8.12	14	7.55	20	5.83	23	10.40	3	2.48	32
20	CZH0631	103	19	11	6.77	16	8.16	13	7.54	22	5.92	20	9.49	15	2.79	21
31	CZH075	101	19	10	6.57	19	8.39	9	7.24	25	6.45	9	9.94	10	2.75	24
32	CZH076	100	20	11	6.48	20	6.13	38	7.64	19	6.29	13	9.29	18	2.42	33
21	CZH04007	104	20	10	6.23	23	7.42	23	7.20	26	6.33	12	8.73	28	3.06	14
24	CZH04008	103	20	11	6.49	21	7.25	28	6.73	31	5.65	27	10.48	2	2.82	20
17	SC721	101	21	14	6.44	21	6.85	35	7.02	27	4.95	34	10.17	4	2.64	25
27	CZH056	100	21	11	6.28	22	8.56	8	6.38	37	6.40	10	8.54	34	2.56	26
11	WH 505	98	21	12	6.30	24	7.21	29	8.94	7	5.12	32	8.75	27	2.53	28
39	CZH0625	100	21	10	6.34	23	7.34	25	6.46	36	6.81	4	9.75	14	2.50	30
30	CZH074	98	21	12	6.11	25	6.97	33	7.73	16	3.94	41	9.30	17	2.01	38
35	CZH0711	103	22	13	5.59	33	7.01	32	7.76	15	4.90	35	7.11	40	2.15	36
7	ZMS 652	96	22	12	6.71	16	9.35	2	7.28	23	5.34	31	8.99	22	3.26	10
15	SC637	97	23	11	6.47	21	7.09	31	8.79	9	5.43	30	8.95	24	2.98	17
28	CZH052	97	24	9	6.36	22	7.52	20	7.54	21	5.92	21	9.10	21	2.13	37
13	30G19	94	26	9	6.18	26	7.32	27	6.58	35	5.66	26	8.67	32	2.34	34
14	SC635	91	28	11	5.60	33	5.88	39	6.66	32	4.70	37	8.46	36	2.55	27
42	Local Check	91	29	11	5.95	27	5.83	40	6.81	30	6.34	11	7.70	38	2.49	31
38	CZH0715	68	38	6	4.29	40	3.93	42	6.16	39	4.03	40	5.48	41	1.81	40
Maturity group average		101	20	10	6.39	21	7.50	22	7.63	21	5.60	23	9.17	19	2.72	23
Entries with anthesis dates between 78 and 80 days																
16	SC719	108	16	13	6.86	13	7.90	16	8.79	8	5.65	28	10.80	1	3.46	5
33	CZH078	108	18	13	6.19	22	9.09	3	6.35	38	5.52	29	8.73	29	2.78	22
40	CZH078	100	20	9	6.74	16	8.59	6	6.65	33	6.16	15	9.46	16	3.21	13
10	WH 504	101	21	11	6.37	21	7.60	18	7.26	24	7.24	1	8.62	33	3.04	16
3	Pan 8M-91	97	22	12	6.83	15	8.57	7	8.18	14	6.02	18	9.80	13	2.78	23
37	CZH0714	94	24	11	6.10	25	8.19	12	8.70	10	6.71	6	8.68	31	2.86	18
4	ZMS 602	95	25	11	6.61	20	6.95	34	7.73	16	5.86	22	8.88	25	3.06	15
9	WH 302	85	31	10	5.63	30	7.39	24	5.37	41	5.70	25	7.62	39	3.43	6
12	30V53	79	33	8	5.35	34	7.49	22	5.80	40	6.05	17	8.26	37	1.92	39
Maturity group average		96	23	11	6.30	22	7.98	16	7.20	25	6.10	18	8.98	25	2.95	17
Entries with anthesis dates greater than 80 days																
41	CZH0716	40	42	1	3.02	42	4.74	41	5.18	42	2.22	42	4.22	42	1.50	41
Maturity group average		40	42	1	3.02	42	4.74	41	5.18	42	2.22	42	4.22	42	1.50	41
Mean		99	21	10	6.31	21	7.50	22	7.56	21	5.71	22	8.99	22	2.77	22
LSD (0.05)		13	6	2	0.61	7	1.31	12	2.51	12	1.71	12	1.50	12	1.16	12
Min		40	12	1	3.02	10	3.93	1	5.18	1	2.22	1	4.22	1	1.32	1
Max		116	42	14	7.21	42	9.52	42	9.68	42	7.24	42	10.80	42	3.83	42
NumSignificantSites		36	36	36	9	9	1		1		1		1		1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6F

Grain Yields - Mid-Altitude Humid Hot (Zone B)

Entry	Name	Across	Across		Across		Msekera Zam		Sussundenga Moz		Sussundenga Moz		Mapupulo Moz		Rattray-Arnold Zim	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days																
18	CZH0623	112	15	10	4.39	18	1.38	14	2.69	11	7.53	10	5.99	28	0.95	22
26	CZH055	112	15	11	3.80	25	1.28	28	2.80	4	5.94	30	4.99	37	1.10	3
22	CZH059	101	20	11	4.30	22	1.22	33	1.91	35	6.92	13	7.09	6	0.94	25
19	CZH054	98	22	10	4.12	19	1.44	11	2.71	9	5.97	28	5.99	28	0.97	13
29	CZH073	92	25	11	3.34	32	1.37	18	2.42	21	5.08	36	4.70	39	0.94	26
Maturity group average		103	19	11	3.99	23	1.34	21	2.51	16	6.29	23	5.75	28	0.98	18
Entries with anthesis dates between 75 and 77 days																
1	PRESTINE EV1	114	12	8	4.24	14	1.52	5	2.77	6	6.57	20	6.27	19	1.01	8
34	CZH079	116	12	9	4.73	10	1.37	16	2.73	7	7.77	4	6.92	7	0.97	14
36	CZH0713	113	13	10	4.58	10	1.46	8	2.61	13	7.57	8	6.56	11	1.00	9
5	ZMS 623	111	14	8	4.43	16	1.30	27	2.84	3	7.27	11	5.78	30	1.03	6
23	CZH0511	111	15	10	4.50	17	1.37	15	2.96	2	7.12	12	6.04	27	0.94	27
25	CZH0625	108	16	10	4.34	15	1.36	20	2.45	19	6.57	21	6.27	17	1.05	4
2	PRESTINE EV2	106	16	11	3.95	24	1.33	23	2.14	27	5.52	32	6.16	20	0.95	21
8	ZMS 720	104	18	13	4.54	15	1.64	2	2.59	14	6.76	16	6.14	21	0.91	32
6	ZMS 638	101	18	10	4.38	16	1.33	22	2.06	29	5.80	31	6.29	16	0.97	11
20	CZH0631	103	19	11	4.45	16	1.16	37	2.54	16	7.62	7	6.54	12	1.11	2
31	CZH075	101	19	10	4.20	21	1.22	32	1.99	33	7.53	9	6.09	24	1.15	1
32	CZH076	100	20	11	4.30	15	1.44	13	2.79	5	6.51	23	6.09	24	1.01	7
21	CZH04007	104	20	10	4.09	26	1.30	26	3.01	1	6.86	14	5.70	32	0.93	30
24	CZH04008	103	20	11	4.52	18	1.44	12	2.24	26	7.74	5	7.18	5	0.89	35
17	SC721	101	21	14	4.31	12	1.70	1	2.52	17	5.28	33	6.54	13	1.04	5
27	CZH056	100	21	11	4.58	18	1.23	31	2.72	8	8.32	1	6.12	23	0.96	18
11	WH 505	98	21	12	4.24	25	1.11	40	2.00	32	6.02	27	6.70	10	0.85	38
39	CZH0625	100	21	10	4.10	22	1.44	10	2.43	20	6.70	17	6.13	22	0.94	23
30	CZH074	98	21	12	4.56	16	1.31	24	1.89	36	6.66	18	7.56	1	0.94	24
35	CZH0711	103	22	13	4.12	25	1.20	35	1.82	39	4.56	40	7.56	2	0.90	34
7	ZMS 652	96	22	12	3.39	31	1.28	29	2.01	31	4.48	41	4.76	38	0.97	16
15	SC637	97	23	11	4.02	24	1.47	6	2.06	30	4.94	37	7.38	4	0.80	40
28	CZH052	97	24	9	3.89	31	1.30	25	2.63	12	6.40	24	5.76	31	0.84	39
13	30G19	94	26	9	4.22	20	1.46	9	1.82	38	6.25	25	6.78	9	0.93	29
14	SC635	91	28	11	3.75	30	1.33	21	1.84	37	5.26	34	5.55	34	0.88	36
42	Local Check	91	29	11	3.68	31	1.18	36	2.35	23	4.30	42	6.27	17	0.90	33
38	CZH0715	68	38	6	3.02	40	1.12	38	1.77	41	4.63	39	4.44	40	0.67	41
Maturity group average		101	20	10	4.19	21	1.35	21	2.35	21	6.33	22	6.28	19	0.95	22
Entries with anthesis dates between 78 and 80 days																
16	SC719	108	16	13	4.77	11	1.57	3	2.71	10	8.21	2	6.08	26	0.95	20
33	CZH078	108	18	13	4.50	14	1.37	17	1.93	34	6.59	19	7.43	3	1.00	10
40	CZH078	100	20	9	4.36	17	1.36	19	2.30	25	6.84	15	6.90	8	0.95	19
10	WH 504	101	21	11	4.59	12	1.47	7	2.48	18	7.82	3	6.47	14	0.96	17
3	Pan 8M-91	97	22	12	4.54	15	1.53	4	1.58	42	7.71	6	5.43	35	0.93	28
37	CZH0714	94	24	11	4.10	26	1.25	30	2.11	28	6.55	22	6.40	15	0.92	31
4	ZMS 602	95	25	11	3.82	26	1.21	34	2.30	24	6.04	26	5.05	36	0.97	12
9	WH 302	85	31	10	3.61	32	1.06	41	2.57	15	5.96	29	5.68	33	0.97	15
12	30V53	79	33	8	3.35	36	1.11	39	1.81	40	5.24	35	3.93	41	0.87	37
Maturity group average		96	23	11	4.18	21	1.33	22	2.20	26	6.77	17	5.93	23	0.95	21
Entries with anthesis dates greater than 80 days																
41	CZH0716	40	42	1	2.29	41	0.78	42	2.40	22	4.64	38	3.39	42	0.37	42
Maturity group average		40	42	1	2.29	41	0.78	42	2.40	22	4.64	38	3.39	42	0.37	42
Mean		99	21	10	4.12	21	1.33	22	2.34	22	6.38	22	6.07	21	0.94	22
LSD (0.05)		13	6	2	0.63	8	0.24	12	1.14	12	2.10	12	2.07	12	0.16	12
Min		40	12	1	2.29	10	0.78	1	1.58	1	4.30	1	3.39	1	0.37	1
Max		116	42	14	4.77	41	1.70	42	3.01	42	8.32	42	7.56	42	1.15	42
NumSignificantSites		36	36	36	5	5	1		0		1		1		1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6G

Entry	Name	Grain Yields - Mid-Altitude Humid Hot (Zone B)							Grain Yields - Mid-Altitude Dry (Zone C)							
		Across			Across		Weruweru Tan		Across		Malkerns Swa		Umbeluzi Moz		Nampula Moz	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days																
18	CZH0623	112	15	10	4.39	18	6.10	18	5.22	9	6.02	27	3.32	10	5.85	15
26	CZH055	112	15	11	3.80	25	5.67	28	5.27	10	6.47	10	3.08	16	5.51	27
22	CZH059	101	20	11	4.30	22	5.35	34	4.67	19	6.74	7	3.29	11	5.29	31
19	CZH054	98	22	10	4.12	19	6.21	16	4.36	23	6.76	5	2.79	24	6.15	7
29	CZH073	92	25	11	3.34	32	4.60	39	4.29	26	6.10	24	2.45	31	5.10	34
Maturity group average		103	19	11	3.99	23	5.59	27	4.76	17	6.42	15	2.99	18	5.58	23
Entries with anthesis dates between 75 and 77 days																
1	PRESTINE EV1	114	12	8	4.24	14	5.83	20	5.21	8	6.46	11	3.70	4	6.10	9
34	CZH079	116	12	9	4.73	10	6.63	8	5.19	11	6.36	15	2.78	25	6.51	2
36	CZH0713	113	13	10	4.58	10	6.30	14	4.88	15	6.90	3	3.63	6	5.78	18
5	ZMS 623	111	14	8	4.43	16	6.79	7	4.89	14	6.75	6	3.13	14	5.59	23
23	CZH0511	111	15	10	4.50	17	7.02	4	4.99	12	5.89	30	3.86	3	5.98	12
25	CZH0625	108	16	10	4.34	15	6.45	11	4.97	13	5.63	37	3.67	5	6.16	6
2	PRESTINE EV2	106	16	11	3.95	24	5.77	23	4.59	20	6.57	8	2.67	26	5.56	24
8	ZMS 720	104	18	13	4.54	15	7.22	2	4.51	22	6.49	9	2.90	21	5.39	29
6	ZMS 638	101	18	10	4.38	16	7.50	1	4.49	23	6.83	4	3.03	18	5.66	19
20	CZH0631	103	19	11	4.45	16	5.80	22	4.72	21	6.43	13	2.84	23	4.75	38
31	CZH075	101	19	10	4.20	21	5.01	38	4.69	18	6.29	18	2.85	22	6.20	4
32	CZH076	100	20	11	4.30	15	6.46	10	3.88	29	4.53	41	0.86	42	5.94	14
21	CZH04007	104	20	10	4.09	26	5.68	27	4.50	20	6.17	21	2.50	29	4.46	39
24	CZH04008	103	20	11	4.52	18	5.34	35	4.48	21	6.16	22	3.35	9	5.98	11
17	SC721	101	21	14	4.31	12	6.98	6	4.26	26	6.44	12	1.69	39	4.96	35
27	CZH056	100	21	11	4.58	18	6.28	15	4.35	24	6.39	14	2.57	27	5.10	33
11	WH 505	98	21	12	4.24	25	6.52	9	4.94	11	5.81	31	3.13	12	6.29	3
39	CZH0625	100	21	10	4.10	22	5.27	36	4.24	26	6.34	16	3.13	13	5.66	20
30	CZH074	98	21	12	4.56	16	6.31	13	4.24	23	5.78	33	3.61	7	5.59	22
35	CZH0711	103	22	13	4.12	25	6.39	12	4.92	17	6.08	25	3.11	15	5.53	25
7	ZMS 652	96	22	12	3.39	31	5.48	32	4.45	21	5.90	29	2.00	36	6.16	5
15	SC637	97	23	11	4.02	24	5.50	31	4.17	27	5.72	35	2.09	33	5.51	26
28	CZH052	97	24	9	3.89	31	5.15	37	4.51	22	6.03	26	2.99	20	5.22	32
13	30G19	94	26	9	4.22	20	5.67	28	4.07	28	6.01	28	2.22	32	5.82	16
14	SC635	91	28	11	3.75	30	5.70	26	3.83	31	5.68	36	1.50	41	5.65	21
42	Local Check	91	29	11	3.68	31	5.72	25	3.61	34	6.22	20	3.59	8	4.08	40
38	CZH0715	68	38	6	3.02	40	4.23	41	2.92	36	5.59	38	3.06	17	3.32	41
Maturity group average		101	20	10	4.19	21	6.04	20	4.46	21	6.13	22	2.83	20	5.52	21
Entries with anthesis dates between 78 and 80 days																
16	SC719	108	16	13	4.77	11	7.01	5	5.21	12	6.93	2	2.51	28	6.58	1
33	CZH078	108	18	13	4.50	14	6.10	19	5.38	10	6.30	17	4.06	1	6.13	8
40	CZH078	100	20	9	4.36	17	5.76	24	4.78	18	7.14	1	3.99	2	5.49	28
10	WH 504	101	21	11	4.59	12	6.20	17	4.72	18	6.27	19	2.47	30	5.78	17
3	Pan 8M-91	97	22	12	4.54	15	7.10	3	3.86	31	6.12	23	1.81	37	6.05	10
37	CZH0714	94	24	11	4.10	26	5.39	33	4.92	15	4.89	40	3.03	19	5.98	13
4	ZMS 602	95	25	11	3.82	26	5.81	21	4.13	29	5.80	32	2.08	34	5.32	30
9	WH 302	85	31	10	3.61	32	4.38	40	3.78	34	5.43	39	2.03	35	4.85	37
12	30V53	79	33	8	3.35	36	5.60	30	3.74	34	5.74	34	1.71	38	4.91	36
Maturity group average		96	23	11	4.18	21	5.93	21	4.50	22	6.07	23	2.63	25	5.68	20
Entries with anthesis dates greater than 80 days																
41	CZH0716	40	42	1	2.29	41	2.26	42	1.54	42	4.05	42	1.68	40	2.03	42
Maturity group average		40	42	1	2.29	41	2.26	42	1.54	42	4.05	42	1.68	40	2.03	42
Mean		99	21	10	4.12	21	5.87	21	4.44	22	6.10	22	2.78	22	5.48	22
LSD (0.05)		13	6	2	0.63	8	1.17	12	0.49	8	1.89	12	1.20	12	1.14	12
Min		40	12	1	2.29	10	2.26	1	1.54	8	4.05	1	0.86	1	2.03	1
Max		116	42	14	4.77	41	7.50	42	5.38	42	7.14	42	4.06	42	6.58	42
NumSignificantSites		36	36	36	5	5	1		7	7	0		1		1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6H

Grain Yields - Mid-Altitude Dry (Zone C)

Entry	Name	Across			Across		Kadoma Zim		Kadoma Zim		Afsf-Arusha Tan		Afsf-Arusha Tan		Selian Tan	
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days																
18	CZH0623	112	15	10	5.22	9	7.32	9	5.43	8	5.44	7	5.07	6	4.07	5
26	CZH055	112	15	11	5.27	10	7.73	4	5.51	7	6.13	2	4.50	9	4.46	3
22	CZH059	101	20	11	4.67	19	6.40	29	4.88	15	4.49	22	5.25	3	3.09	25
19	CZH054	98	22	10	4.36	23	7.43	8	3.75	35	3.71	34	3.77	26	2.94	30
29	CZH073	92	25	11	4.29	26	7.57	6	4.86	16	3.60	36	3.52	30	2.93	31
Maturity group average		103	19	11	4.76	17	7.29	11	4.89	16	4.67	20	4.43	15	3.50	19
Entries with anthesis dates between 75 and 77 days																
1	PRESTINE EV1	114	12	8	5.21	8	7.74	3	5.88	4	4.77	18	4.55	8	3.74	10
34	CZH079	116	12	9	5.19	11	6.57	25	5.94	3	5.21	10	4.39	11	4.94	1
36	CZH0713	113	13	10	4.88	15	6.31	32	4.85	19	5.27	8	4.30	14	4.01	6
5	ZMS 623	111	14	8	4.89	14	8.03	2	5.15	12	4.17	27	4.36	13	3.78	9
23	CZH0511	111	15	10	4.99	12	7.28	11	4.57	21	5.19	11	4.39	12	3.64	13
25	CZH0625	108	16	10	4.97	13	6.90	21	4.34	27	4.92	15	4.27	15	4.51	2
2	PRESTINE EV2	106	16	11	4.59	20	6.34	30	4.41	23	5.45	6	4.22	16	3.49	17
8	ZMS 720	104	18	13	4.51	22	7.19	13	3.89	34	4.20	26	3.71	28	4.33	4
6	ZMS 638	101	18	10	4.49	23	6.99	19	4.29	29	4.85	16	3.88	23	2.72	35
20	CZH0631	103	19	11	4.72	21	7.16	15	6.55	1	5.15	12	3.90	21	2.67	37
31	CZH075	101	19	10	4.69	18	7.00	17	5.09	13	4.46	24	3.78	25	3.44	18
32	CZH076	100	20	11	3.88	29	5.87	37	5.18	11	3.39	40	2.51	40	3.43	19
21	CZH04007	104	20	10	4.50	20	7.44	7	4.85	17	4.33	25	4.16	17	3.79	8
24	CZH04008	103	20	11	4.48	21	6.44	28	4.53	22	3.70	35	3.77	27	3.62	14
17	SC721	101	21	14	4.26	26	6.51	27	4.33	28	5.70	3	3.29	32	3.31	20
27	CZH056	100	21	11	4.35	24	6.99	20	5.01	14	3.73	31	3.85	24	3.21	22
11	WH 505	98	21	12	4.94	11	7.58	5	5.26	9	4.62	20	4.03	18	3.64	12
39	CZH0625	100	21	10	4.24	26	6.62	24	3.89	33	4.51	21	3.12	35	2.72	36
30	CZH074	98	21	12	4.24	23	6.05	34	2.38	41	4.71	19	3.44	31	3.93	7
35	CZH0711	103	22	13	4.92	17	5.99	36	5.79	5	5.64	4	5.37	2	2.98	29
7	ZMS 652	96	22	12	4.45	21	7.28	10	4.85	18	4.07	29	3.56	29	3.22	21
15	SC637	97	23	11	4.17	27	7.18	14	4.35	26	3.72	33	3.19	34	3.14	23
28	CZH052	97	24	9	4.51	22	6.21	33	5.19	10	4.47	23	3.95	20	3.57	16
13	30G19	94	26	9	4.07	28	7.04	16	4.36	25	3.87	30	2.65	38	2.53	38
14	SC635	91	28	11	3.83	31	7.00	18	3.50	38	3.54	37	2.52	39	3.10	24
42	Local Check	91	29	11	3.61	34	6.04	35	2.54	39	3.50	39	3.10	36	2.39	41
38	CZH0715	68	38	6	2.92	36	5.50	40	2.39	40	1.75	41	1.67	41	2.77	34
Maturity group average		101	20	10	4.46	21	6.79	21	4.57	21	4.40	22	3.70	24	3.43	19
Entries with anthesis dates between 78 and 80 days																
16	SC719	108	16	13	5.21	12	8.33	1	6.02	2	5.51	5	5.08	5	2.44	39
33	CZH078	108	18	13	5.38	10	6.87	22	4.41	24	6.26	1	6.30	1	3.60	15
40	CZH078	100	20	9	4.78	18	6.56	26	4.73	20	5.26	9	4.42	10	3.00	28
10	WH 504	101	21	11	4.72	18	6.66	23	4.19	30	5.09	13	5.10	4	3.73	11
3	Pan 8M-91	97	22	12	3.86	31	5.43	41	3.95	31	3.51	38	3.23	33	3.05	27
37	CZH0714	94	24	11	4.92	15	7.26	12	5.61	6	5.07	14	4.64	7	2.81	33
4	ZMS 602	95	25	11	4.13	29	6.32	31	3.66	37	4.82	17	3.89	22	2.82	32
9	WH 302	85	31	10	3.78	34	5.70	38	3.73	36	3.73	32	3.97	19	2.43	40
12	30V53	79	33	8	3.74	34	5.70	39	3.94	32	4.11	28	2.78	37	3.06	26
Maturity group average		96	23	11	4.50	22	6.54	26	4.47	24	4.82	17	4.38	15	3.00	28
Entries with anthesis dates greater than 80 days																
41	CZH0716	40	42	1	1.54	42	2.26	42	1.30	42	0.95	42	1.18	42	1.37	42
Maturity group average		40	42	1	1.54	42	2.26	42	1.30	42	0.95	42	1.18	42	1.37	42
Mean		99	21	10	4.44	22	6.69	22	4.51	22	4.44	22	3.87	22	3.30	22
LSD (0.05)		13	6	2	0.49	8	1.17	12	1.68	12	0.99	12	1.05	12	1.07	12
Min		40	12	1	1.54	8	2.26	1	1.30	1	0.95	1	1.18	1	1.37	1
Max		116	42	14	5.38	42	8.33	42	6.55	42	6.26	42	6.30	42	4.94	42
NumSignificantSites		36	36	36	7	7	1		1		1		1		1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6I

Grain Yields - Lowland Tropical Dry (Zone E)

Entry	Name	Pedigree	Across			Across		Francistown Bot		Francistown Bot		Sebele Bot	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days													
18	CZH0623	CML444/CZL00003//CZL03014	112	15	10	2.34	5	1.81	7	2.63	5	2.87	3
26	CZH055	CML312/CML444//CZL04006	112	15	11	1.47	29	1.35	30	2.44	13	1.59	27
22	CZH059	CML442/CML445//CZL052	101	20	11	1.63	22	1.43	23	1.50	41	1.82	21
19	CZH054	CML312/CML443//CZL052	98	22	10	1.55	22	1.80	9	2.01	28	1.30	34
29	CZH073	CZL071/CZL072//CZL073	92	25	11	0.81	30	1.56	18	2.20	18	0.06	42
Maturity group average			103	19	11	1.56	21	1.59	17	2.16	21	1.53	25
Entries with anthesis dates between 75 and 77 days													
1	PRESTINE EV1	PRESTINE EV1	114	12	8	2.29	5	1.91	4	2.74	3	2.66	6
34	CZH079	CML488/CML395//CZL076	116	12	9	2.30	9	1.62	15	2.94	2	2.97	2
36	CZH0713	CML489/CML444//CZL0617	113	13	10	1.75	20	1.40	25	2.12	24	2.09	15
5	ZMS 623	ZMS 623	111	14	8	2.17	7	2.08	2	2.16	22	2.27	12
23	CZH0511	CML444/CML445//CZL054	111	15	10	1.80	16	1.68	11	2.46	12	1.93	20
25	CZH0625	CML395/CML444//CZL0617	108	16	10	1.88	19	1.38	27	2.04	26	2.37	11
2	PRESTINE EV2	PRESTINE EV2	106	16	11	1.66	17	1.83	5	2.61	6	1.48	29
8	ZMS 720	ZMS 720	104	18	13	1.91	20	1.24	33	3.12	1	2.57	7
6	ZMS 638	ZMS 638	101	18	10	1.90	12	1.82	6	2.36	16	1.99	18
20	CZH0631	CML444/CML395//CZL0619	103	19	11	1.60	24	1.38	26	2.42	14	1.81	22
31	CZH075	CML444/CZL00003//CZL0617	101	19	10	1.59	23	1.55	19	2.13	23	1.63	26
32	CZH076	CML444/CZL00003//CZL074	100	20	11	1.86	15	1.57	16	2.03	27	2.15	14
21	CZH04007	CML489/CML444//CZL04006	104	20	10	3.10	2	2.01	3	1.40	42	4.20	1
24	CZH04008	CML444/CML395//CZL04007	103	20	11	1.49	23	1.63	14	1.81	34	1.35	32
17	SC721	SC721	101	21	14	2.00	11	1.80	8	2.51	10	2.19	13
27	CZH056	CML312/CML444//CML489	100	21	11	1.55	23	1.46	21	1.96	30	1.63	25
11	WH 505	WH 505	98	21	12	1.99	21	1.14	38	1.89	31	2.85	4
39	CZH0625	CML444/CML395//CZL0617	100	21	10	2.23	9	1.63	13	1.67	38	2.82	5
30	CZH074	CML488/CML395//CZL0617	98	21	12	1.59	27	1.17	37	1.99	29	2.00	17
35	CZH0711	CML488/CML395//CZL04006	103	22	13	2.10	9	2.18	1	2.58	7	2.02	16
7	ZMS 652	ZMS 652	96	22	12	1.46	24	1.64	12	2.32	17	1.28	35
15	SC637	SC637	97	23	11	1.93	18	1.36	28	2.37	15	2.49	8
28	CZH052	CML312/CML444//CZL03007	97	24	9	1.28	29	1.50	20	2.17	21	1.06	38
13	30G19	30G19	94	26	9	1.17	36	1.23	34	2.17	20	1.11	37
14	SC635	SC635	91	28	11	2.07	10	1.69	10	1.54	40	2.46	10
42	Local Check	Local Check	91	29	11	1.26	34	1.27	32	2.46	11	1.26	36
38	CZH0715	CML488/CML444//CZL078	68	38	6	1.38	32	1.19	35	1.70	37	1.57	28
Maturity group average			101	20	10	1.83	18	1.57	18	2.21	21	2.08	18
Entries with anthesis dates between 78 and 80 days													
16	SC719	SC719	108	16	13	1.44	27	1.42	24	2.17	19	1.45	30
33	CZH078	CML202/CML395//CZL076	108	18	13	1.34	32	0.96	41	2.73	4	1.73	23
40	CZH078	CML202/CML395//CZL076	100	20	9	1.30	34	1.18	36	2.57	9	1.41	31
10	WH 504	WH 504	101	21	11	1.30	28	1.57	17	2.06	25	1.02	39
3	Pan 8M-91	Pan 8M-91	97	22	12	1.64	25	1.32	31	2.57	8	1.95	19
37	CZH0714	CML489/CML444//CZL077	94	24	11	1.37	28	1.43	22	1.73	36	1.31	33
4	ZMS 602	ZMS 602	95	25	11	1.12	35	1.35	29	1.65	39	0.88	40
9	WH 302	WH 302	85	31	10	1.74	25	0.99	40	1.77	35	2.48	9
12	30V53	30V53	79	33	8	1.38	32	1.07	39	1.87	33	1.69	24
Maturity group average			96	23	11	1.40	29	1.26	31	2.13	23	1.55	28
Entries with anthesis dates greater than 80 days													
41	CZH0716	CZL0613/CZL0616//CML159	40	42	1	0.32	42	0.31	42	1.88	32	0.34	41
Maturity group average			40	42	1	0.32	42	0.31	42	1.88	32	0.34	41
Mean			99	21	10	1.67	22	1.47	22	2.18	22	1.86	22
LSD (0.05)			13	6	2	0.72	10	0.62	12	1.21	12	1.32	12
Min			40	12	1	0.32	2	0.31	1	1.40	1	0.06	1
Max			116	42	14	3.10	42	2.18	42	3.12	42	4.20	42
NumSignificantSites			36	36	36	2	2	1		0		1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6J

						Grain Yields - Managed Drought Stress						Secondary Traits -Drought Stress		
Entry	Name	Pedigree	Across			Across		Nanga Zam		Chiredzi Zim		Across		
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	ASI	EPPNo	Senescence0_10
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	d	#	0-10
Entries with anthesis dates between 72 and 74 days														
18	CZH0623	CML444/CZL00003//CZL03014	112	15	10	1.84	14	2.24	5	1.43	23	0.6	0.58	5.9
26	CZH055	CML312/CML444//CZL04006	112	15	11	1.46	13	1.27	35	2.19	2	3.2	0.79	5.3
22	CZH059	CML442/CML445//CZL052	101	20	11	1.45	9	2.24	6	2.01	4	0.4	0.73	6.5
19	CZH054	CML312/CML443//CZL052	98	22	10	1.26	16	1.74	21	2.00	5	0.5	0.75	6.6
29	CZH073	CZL071/CZL072//CZL073	92	25	11	1.33	11	1.84	17	1.90	8	1.4	0.81	5.2
Maturity group average			103	19	11	1.47	13	1.86	17	1.91	8	1.2	0.73	5.9
Entries with anthesis dates between 75 and 77 days														
1	PRESTINE EV1	PRESTINE EV1	114	12	8	1.20	17	1.61	27	1.77	13	0.3	0.57	5.4
34	CZH079	CML488/CML395//CZL076	116	12	9	1.61	20	1.98	13	1.23	27	4.1	0.59	5.9
36	CZH0713	CML489/CML444//CZL0617	113	13	10	1.68	21	1.72	23	1.63	18	4.2	0.68	6.3
5	ZMS 623	ZMS 623	111	14	8	1.84	15	1.73	22	1.94	7	3.7	0.60	5.3
23	CZH0511	CML444/CML445//CZL054	111	15	10	1.90	14	2.10	11	1.70	16	4.4	0.73	5.3
25	CZH0625	CML395/CML444//CZL0617	108	16	10	1.24	17	1.74	20	1.97	6	3.7	0.59	5.5
2	PRESTINE EV2	PRESTINE EV2	106	16	11	1.23	16	1.75	19	1.84	9	0.7	0.60	5.7
8	ZMS 720	ZMS 720	104	18	13	1.44	12	2.41	4	1.80	12	4.7	0.69	5.7
6	ZMS 638	ZMS 638	101	18	10	0.82	29	1.23	38	1.04	35	6.6	0.56	5.7
20	CZH0631	CML444/CML395//CZL0619	103	19	11	1.25	16	1.59	30	1.80	11	2.2	0.72	5.9
31	CZH075	CML444/CZL00003//CZL0617	101	19	10	1.09	21	1.49	33	1.56	20	2.6	0.68	5.8
32	CZH076	CML444/CZL00003//CZL074	100	20	11	1.42	15	2.72	3	1.45	22	1.5	0.59	4.8
21	CZH04007	CML489/CML444//CZL04006	104	20	10	1.46	12	2.17	9	2.22	1	2.0	0.84	6.2
24	CZH04008	CML444/CML395//CZL04007	103	20	11	1.77	4	2.77	1	1.81	10	3.0	0.69	5.3
17	SC721	SC721	101	21	14	0.83	41	1.11	40	0.56	41	12.5	0.11	5.7
27	CZH056	CML312/CML444//CML489	100	21	11	1.16	19	1.26	36	1.64	17	1.8	0.70	5.3
11	WH 505	WH 505	98	21	12	0.82	27	1.03	41	1.13	31	3.8	0.42	5.3
39	CZH0625	CML444/CML395//CZL0617	100	21	10	1.26	14	1.86	16	1.73	15	-1.3	0.65	6.1
30	CZH074	CML488/CML395//CZL0617	98	21	12	1.25	16	2.07	12	1.51	21	5.4	0.73	6.2
35	CZH0711	CML488/CML395//CZL04006	103	22	13	1.61	9	2.75	2	1.59	19	3.6	0.59	5.3
7	ZMS 652	ZMS 652	96	22	12	1.35	27	1.86	15	0.83	39	7.3	0.33	6.0
15	SC637	SC637	97	23	11	1.01	23	1.72	24	1.18	29	6.7	0.53	5.5
28	CZH052	CML312/CML444//CZL03007	97	24	9	1.25	20	1.52	32	2.18	3	-0.9	0.83	6.2
13	30G19	30G19	94	26	9	1.19	35	1.23	39	1.16	30	5.6	0.55	6.0
14	SC635	SC635	91	28	11	1.18	17	2.23	7	0.65	40	7.1	0.32	5.5
42	Local Check	Local Check	91	29	11	1.87	14	1.98	14	1.76	14	5.1	0.73	4.5
38	CZH0715	CML488/CML444//CZL078	68	38	6	1.49	26	1.64	26	1.34	25	2.6	0.69	5.3
Maturity group average			101	20	10	1.34	19	1.82	21	1.52	20	3.8	0.60	5.6
Entries with anthesis dates between 78 and 80 days														
16	SC719	SC719	108	16	13	1.09	36	1.34	34	0.84	38	17.6	0.19	5.0
33	CZH078	CML202/CML395//CZL076	108	18	13	1.60	22	2.13	10	1.08	34	2.3	0.58	4.9
40	CZH078	CML202/CML395//CZL076	100	20	9	0.91	26	1.61	28	0.96	36	5.0	0.46	4.9
10	WH 504	WH 504	101	21	11	1.80	16	2.22	8	1.38	24	7.6	0.57	5.0
3	Pan 8M-91	Pan 8M-91	97	22	12	1.05	22	1.57	31	1.21	28	17.4	0.30	6.1
37	CZH0714	CML489/CML444//CZL077	94	24	11	0.97	25	1.78	18	1.10	32	4.3	0.39	5.4
4	ZMS 602	ZMS 602	95	25	11	1.47	26	1.67	25	1.27	26	5.2	0.42	5.6
9	WH 302	WH 302	85	31	10	0.91	28	1.59	29	1.08	33	3.4	0.32	5.5
12	30V53	30V53	79	33	8	0.77	29	1.23	37	0.89	37	9.8	0.43	4.4
Maturity group average			96	23	11	1.18	26	1.68	24	1.09	32	8.1	0.41	5.2
Entries with anthesis dates greater than 80 days														
41	CZH0716	CZL0613/CZL0616//CML159	40	42	1	0.27	42	0.75	42	-0.20	42	13.9	0.21	5.1
Maturity group average			40	42	1	0.27	42	0.75	42	-0.20	42	13.9	0.21	5.1
Mean			99	21	10	1.30	20	1.77	22	1.43	22	4.7	0.57	5.5
LSD (0.05)			13	6	2	4.78	8	0.85	12	0.46	12	6.9	0.31	1.0
Min			40	12	1	0.27	4	0.75	1	-0.20	1	-1.3	0.11	4.4
Max			116	42	14	1.90	42	2.77	42	2.22	42	17.6	0.84	6.6
NumSignificantSites			36	36	36	3	3	1		1		1	1	1

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6K

		Grain Yields - Low N Stress												Secondary Traits - Low N Stress		
Entry	Name	Across			Across		Harare Zim		Harare Zim		Rattray-Arnold Zim			Across		
		RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo		ASI	EPPNo	Senescence0_10
		%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#		d	#	0-10
Entries with anthesis dates between 72 and 74 days																
18	CZH0623	112	15	10	1.14	16	1.94	8	0.45	2	1.02	38		2.5	0.76	6.7
26	CZH055	112	15	11	1.12	10	1.60	15	0.41	5	1.35	9		1.2	0.66	6.3
22	CZH059	101	20	11	0.98	19	1.34	22	0.34	16	1.25	18		3.0	0.67	7.0
19	CZH054	98	22	10	1.15	14	1.82	11	0.34	17	1.29	14		1.8	0.68	5.6
29	CZH073	92	25	11	1.01	22	1.65	13	0.34	19	1.05	35		2.4	0.65	6.1
Maturity group average		103	19	11	1.08	16	1.67	14	0.38	12	1.19	23		2.2	0.68	6.3
Entries with anthesis dates between 75 and 77 days																
1	PRESTINE EV1	114	12	8	1.36	6	2.37	1	0.45	3	1.27	15		1.9	0.84	6.5
34	CZH079	116	12	9	1.22	14	2.14	4	0.50	1	1.03	37		3.5	0.76	5.5
36	CZH0713	113	13	10	1.19	10	1.82	10	0.37	13	1.38	7		4.8	0.71	5.6
5	ZMS 623	111	14	8	1.04	14	1.34	23	0.38	12	1.39	6		4.1	0.63	6.1
23	CZH0511	111	15	10	1.19	12	1.91	9	0.40	8	1.25	19		5.1	0.71	6.3
25	CZH0625	108	16	10	1.09	15	1.54	16	0.32	25	1.41	5		2.5	0.72	5.9
2	PRESTINE EV2	106	16	11	1.31	12	2.35	2	0.40	9	1.17	25		2.3	0.72	5.7
8	ZMS 720	104	18	13	0.97	21	1.17	32	0.28	28	1.46	3		4.0	0.61	6.5
6	ZMS 638	101	18	10	0.83	29	1.01	38	0.34	18	1.15	30		5.2	0.55	6.0
20	CZH0631	103	19	11	0.97	16	1.23	29	0.41	4	1.26	16		3.3	0.68	6.6
31	CZH075	101	19	10	1.15	10	1.61	14	0.36	15	1.47	2		5.9	0.65	6.1
32	CZH076	100	20	11	1.03	12	1.36	20	0.40	6	1.33	10		5.9	0.69	6.1
21	CZH04007	104	20	10	0.82	24	0.84	39	0.33	21	1.29	13		1.6	0.71	6.8
24	CZH04008	103	20	11	1.01	20	1.50	17	0.33	20	1.19	24		4.4	0.66	6.3
17	SC721	101	21	14	0.76	28	0.70	40	0.20	37	1.38	8		5.9	0.47	5.9
27	CZH056	100	21	11	1.04	15	1.47	18	0.39	11	1.25	17		3.4	0.71	5.1
11	WH 505	98	21	12	0.96	18	1.24	27	0.36	14	1.30	12		6.2	0.60	6.2
39	CZH0625	100	21	10	1.19	16	2.02	6	0.32	22	1.22	20		1.2	0.73	6.7
30	CZH074	98	21	12	1.11	28	2.26	3	0.18	40	0.90	41		3.4	0.65	6.0
35	CZH0711	103	22	13	1.15	22	2.06	5	0.26	31	1.12	31		2.6	0.75	6.4
7	ZMS 652	96	22	12	0.90	25	1.12	33	0.27	30	1.30	11		3.2	0.56	5.9
15	SC637	97	23	11	0.87	28	1.25	26	0.30	26	1.07	32		6.0	0.56	5.3
28	CZH052	97	24	9	1.08	19	1.82	12	0.39	10	1.04	36		3.7	0.69	6.1
13	30G19	94	26	9	1.10	24	1.94	7	0.21	36	1.16	29		5.0	0.49	5.7
14	SC635	91	28	11	0.83	31	1.07	35	0.21	35	1.22	22		5.5	0.46	5.8
42	Local Check	91	29	11	0.97	23	1.41	19	0.32	24	1.17	27		2.4	0.71	6.3
38	CZH0715	68	38	6	0.58	38	0.49	41	0.24	34	1.00	39		2.8	0.55	7.2
Maturity group average		101	20	10	1.03	20	1.52	19	0.33	20	1.23	20		3.9	0.65	6.1
Entries with anthesis dates between 78 and 80 days																
16	SC719	108	16	13	1.04	13	1.22	30	0.40	7	1.50	1		5.0	0.63	5.7
33	CZH078	108	18	13	0.82	30	1.07	36	0.32	23	1.07	32		6.1	0.64	5.3
40	CZH078	100	20	9	0.89	27	1.17	31	0.28	27	1.22	22		3.4	0.60	5.4
10	WH 504	101	21	11	0.98	20	1.23	28	0.27	29	1.44	4		4.8	0.58	5.4
3	Pan 8M-91	97	22	12	0.90	29	1.33	24	0.19	38	1.17	25		4.7	0.55	5.4
37	CZH0714	94	24	11	0.86	31	1.34	21	0.24	33	0.99	40		3.4	0.56	5.7
4	ZMS 602	95	25	11	0.82	32	1.04	37	0.25	32	1.16	28		4.8	0.49	5.8
9	WH 302	85	31	10	0.83	33	1.27	25	0.18	39	1.05	34		4.5	0.47	5.4
12	30V53	79	33	8	0.82	32	1.12	34	0.12	41	1.22	20		6.5	0.39	6.5
Maturity group average		96	23	11	0.89	27	1.20	30	0.25	30	1.20	23		4.8	0.55	5.6
Entries with anthesis dates greater than 80 days																
41	CZH0716	40	42	1	0.37	42	0.45	42	0.07	42	0.60	42		2.9	0.41	6.0
Maturity group average		40	42	1	0.37	42	0.45	42	0.07	42	0.60	42		2.9	0.41	6.0
Mean		99	21	10	0.99	21	1.44	22	0.31	22	1.20	21		3.9	0.63	6.0
LSD (0.05)		13	6	2	0.22	8	0.55	12	0.12	12	0.36	12		2.9	0.11	0.6
Min		40	12	1	0.37	6	0.45	1	0.07	1	0.60	1		1.2	0.39	5.1
Max		116	42	14	1.36	42	2.37	42	0.50	42	1.50	42		6.5	0.84	7.2
NumSignificantSites		36	36	36	3	3	1		1		1			2	2	1

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6L

Entry	Name	Pedigree	Across			Grain Yield Low pH Stress Across		Grain Yield Low pH Stress Kasama Zam		Grain Yield - MSV Across		Grain Yield - MSV Harare Zim	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days													
18	CZH0623	CML444/CZL00003//CZL03014	112	15	10	2.98	24	2.98	24	9.67	14	9.67	14
26	CZH055	CML312/CML444//CZL04006	112	15	11	3.37	13	3.37	13	9.62	16	9.62	16
22	CZH059	CML442/CML445//CZL052	101	20	11	3.45	11	3.45	11	10.37	4	10.37	4
19	CZH054	CML312/CML443//CZL052	98	22	10	3.16	19	3.16	19	9.01	23	9.01	23
29	CZH073	CZL071/CZL072//CZL073	92	25	11	2.21	36	2.21	36	9.23	19	9.23	19
Maturity group average			103	19	11	3.03	21	3.03	21	9.58	15	9.58	15
Entries with anthesis dates between 75 and 77 days													
1	PRESTINE EV1	PRESTINE EV1	114	12	8	2.92	26	2.92	26	9.32	18	9.32	18
34	CZH079	CML488/CML395//CZL076	116	12	9	3.51	10	3.51	10	9.71	13	9.71	13
36	CZH0713	CML489/CML444//CZL0617	113	13	10	1.97	40	1.97	40	10.20	5	10.20	5
5	ZMS 623	ZMS 623	111	14	8	3.17	18	3.17	18	9.05	22	9.05	22
23	CZH0511	CML444/CML445//CZL054	111	15	10	2.66	30	2.66	30	8.44	32	8.44	32
25	CZH0625	CML395/CML444//CZL0617	108	16	10	2.96	25	2.96	25	10.91	2	10.91	2
2	PRESTINE EV2	PRESTINE EV2	106	16	11	3.00	22	3.00	22	10.16	6	10.16	6
8	ZMS 720	ZMS 720	104	18	13	3.91	3	3.91	3	12.47	1	12.47	1
6	ZMS 638	ZMS 638	101	18	10	3.73	6	3.73	6	10.46	3	10.46	3
20	CZH0631	CML444/CML395//CZL0619	103	19	11	2.90	27	2.90	27	8.37	34	8.37	34
31	CZH075	CML444/CZL00003//CZL0617	101	19	10	3.15	20	3.15	20	8.63	28	8.63	28
32	CZH076	CML444/CZL00003//CZL074	100	20	11	3.30	15	3.30	15	8.78	25	8.78	25
21	CZH04007	CML489/CML444//CZL04006	104	20	10	3.31	14	3.31	14	8.90	24	8.90	24
24	CZH04008	CML444/CML395//CZL04007	103	20	11	2.21	35	2.21	35	9.84	8	9.84	8
17	SC721	SC721	101	21	14	3.55	8	3.55	8	8.46	30	8.46	30
27	CZH056	CML312/CML444//CML489	100	21	11	2.30	34	2.30	34	9.43	17	9.43	17
11	WH 505	WH 505	98	21	12	1.91	41	1.91	41	9.65	15	9.65	15
39	CZH0625	CML444/CML395//CZL0617	100	21	10	2.81	28	2.81	28	9.78	10	9.78	10
30	CZH074	CML488/CML395//CZL0617	98	21	12	2.99	23	2.99	23	8.56	29	8.56	29
35	CZH0711	CML488/CML395//CZL04006	103	22	13	3.43	12	3.43	12	7.56	37	7.56	37
7	ZMS 652	ZMS 652	96	22	12	3.74	5	3.74	5	9.18	20	9.18	20
15	SC637	SC637	97	23	11	3.53	9	3.53	9	8.65	27	8.65	27
28	CZH052	CML312/CML444//CZL03007	97	24	9	2.49	33	2.49	33	9.90	7	9.90	7
13	30G19	30G19	94	26	9	2.58	31	2.58	31	7.09	38	7.09	38
14	SC635	SC635	91	28	11	3.66	7	3.66	7	8.46	31	8.46	31
42	Local Check	Local Check	91	29	11	2.75	29	2.75	29	7.88	36	7.88	36
38	CZH0715	CML488/CML444//CZL078	68	38	6	2.01	39	2.01	39	6.89	40	6.89	40
Maturity group average			101	20	10	2.98	22	2.98	22	9.14	21	9.14	21
Entries with anthesis dates between 78 and 80 days													
16	SC719	SC719	108	16	13	4.11	2	4.11	2	9.78	11	9.78	11
33	CZH078	CML202/CML395//CZL076	108	18	13	3.89	4	3.89	4	9.77	12	9.77	12
40	CZH078	CML202/CML395//CZL076	100	20	9	3.17	17	3.17	17	9.12	21	9.12	21
10	WH 504	WH 504	101	21	11	3.04	21	3.04	21	8.44	33	8.44	33
3	Pan 8M-91	Pan 8M-91	97	22	12	3.22	16	3.22	16	7.94	35	7.94	35
37	CZH0714	CML489/CML444//CZL077	94	24	11	2.09	37	2.09	37	8.73	26	8.73	26
4	ZMS 602	ZMS 602	95	25	11	4.20	1	4.20	1	4.82	41	4.82	41
9	WH 302	WH 302	85	31	10	2.56	32	2.56	32	9.80	9	9.80	9
12	30V53	30V53	79	33	8	2.02	38	2.02	38	7.01	39	7.01	39
Maturity group average			96	23	11	3.14	19	3.14	19	8.38	25	8.38	25
Entries with anthesis dates greater than 80 days													
41	CZH0716	CZL0613/CZL0616//CML159	40	42	1	0.97	42	0.97	42	3.73	42	3.73	42
Maturity group average			40	42	1	0.97	42	0.97	42	3.73	42	3.73	42
Mean			99	21	10	2.97	22	2.97	22	8.90	22	8.90	22
LSD (0.05)			13	6	2	1.02	12	1.02	12	3.07	12	3.01	12
Min			40	12	1	0.97	1	0.97	1	3.73	1	3.73	1
Max			116	42	14	4.20	42	4.20	42	12.47	42	12.47	42
NumSignificantSites			36	36	36	1	1	1		1	1	1	

ILHYB08: Results of evaluation of intermediate to late maturing hybrids from CIMMYT, Prestine, Zamseed, Seedco, Western Seeds, Pioneer and Pannar across 47 sites in eastern and southern Africa, 2007/08.

TABLE 6M

Grain Yields - Mid-Altitude Central Africa

Entry	Name	Pedigree	Across			Across		Kasinga Dem		Kipopo Dem		Kiniameshi Dem	
			RelGY	Rank		GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo	GrainYield	RankNo
			%	Avg	StdDev	t/ha	#	t/ha	#	t/ha	#	t/ha	#
Entries with anthesis dates between 72 and 74 days													
18	CZH0623	CML444/CZL00003//CZL03014	112	15	10	4.59	23	3.78	9	5.40	37	2.45	15
26	CZH055	CML312/CML444//CZL04006	112	15	11	5.26	19	2.57	32	7.96	6	3.99	2
22	CZH059	CML442/CML445//CZL052	101	20	11	5.35	14	3.99	2	6.71	25	2.31	18
19	CZH054	CML312/CML443//CZL052	98	22	10	5.14	22	2.03	40	8.25	4	4.17	1
29	CZH073	CZL071/CZL072//CZL073	92	25	11	5.20	18	3.59	14	6.81	21	1.85	28
Maturity group average			103	19	11	5.11	19	3.19	19	7.03	19	2.96	13
Entries with anthesis dates between 75 and 77 days													
1	PRESTINE EV1	PRESTINE EV1	114	12	8	5.29	17	3.93	6	6.64	27	2.55	14
34	CZH079	CML488/CML395//CZL076	116	12	9	5.83	8	3.83	8	7.84	7	1.23	38
36	CZH0713	CML489/CML444//CZL0617	113	13	10	6.41	3	3.97	3	8.86	2	2.73	8
5	ZMS 623	ZMS 623	111	14	8	5.20	18	3.62	13	6.79	23	2.25	19
23	CZH0511	CML444/CML445//CZL054	111	15	10	5.70	7	4.18	1	7.23	13	3.07	6
25	CZH0625	CML395/CML444//CZL0617	108	16	10	4.80	26	3.34	21	6.26	31	2.56	13
2	PRESTINE EV2	PRESTINE EV2	106	16	11	5.63	13	3.52	17	7.73	8	2.18	22
8	ZMS 720	ZMS 720	104	18	13	5.74	14	3.33	22	8.15	5	3.62	3
6	ZMS 638	ZMS 638	101	18	10	5.64	9	3.95	5	7.33	12	3.59	4
20	CZH0631	CML444/CML395//CZL0619	103	19	11	4.72	23	3.64	12	5.80	34	1.51	35
31	CZH075	CML444/CZL00003//CZL0617	101	19	10	5.56	17	2.74	30	8.38	3	2.21	20
32	CZH076	CML444/CZL00003//CZL074	100	20	11	5.32	17	3.50	18	7.14	16	1.07	40
21	CZH04007	CML489/CML444//CZL04006	104	20	10	4.95	23	3.01	27	6.88	18	2.69	9
24	CZH04008	CML444/CML395//CZL04007	103	20	11	4.41	33	2.48	36	6.35	30	0.96	41
17	SC721	SC721	101	21	14	4.51	26	3.53	16	5.48	36	1.96	24
27	CZH056	CML312/CML444//CML489	100	21	11	4.85	20	3.96	4	5.73	35	3.22	5
11	WH 505	WH 505	98	21	12	5.18	19	3.47	19	6.88	19	1.84	29
39	CZH0625	CML444/CML395//CZL0617	100	21	10	4.86	24	2.54	33	7.18	14	1.63	32
30	CZH074	CML488/CML395//CZL0617	98	21	12	5.73	10	3.78	10	7.69	9	1.57	34
35	CZH0711	CML488/CML395//CZL04006	103	22	13	5.17	19	3.67	11	6.67	26	1.93	26
7	ZMS 652	ZMS 652	96	22	12	4.60	30	2.96	28	6.23	32	1.38	37
15	SC637	SC637	97	23	11	5.13	20	3.39	20	6.87	20	2.91	7
28	CZH052	CML312/CML444//CZL03007	97	24	9	5.09	21	3.02	26	7.15	15	2.68	12
13	30G19	30G19	94	26	9	4.72	28	2.67	31	6.77	24	1.88	27
14	SC635	SC635	91	28	11	4.64	29	2.48	35	6.80	22	2.68	10
42	Local Check	Local Check	91	29	11	3.57	40	1.92	41	5.22	39	2.37	17
38	CZH0715	CML488/CML444//CZL078	68	38	6	2.87	40	2.15	38	3.59	42	1.95	25
Maturity group average			101	20	10	5.04	20	3.28	20	6.80	21	2.23	21
Entries with anthesis dates between 78 and 80 days													
16	SC719	SC719	108	16	13	4.75	28	3.27	23	6.23	33	2.68	11
33	CZH078	CML202/CML395//CZL076	108	18	13	6.42	13	3.09	25	9.74	1	2.41	16
40	CZH078	CML202/CML395//CZL076	100	20	9	5.16	20	2.84	29	7.47	10	1.69	31
10	WH 504	WH 504	101	21	11	5.04	22	3.55	15	6.53	28	2.00	23
3	Pan 8M-91	Pan 8M-91	97	22	12	4.25	34	2.15	39	6.35	29	1.17	39
37	CZH0714	CML489/CML444//CZL077	94	24	11	5.39	12	3.87	7	6.91	17	2.20	21
4	ZMS 602	ZMS 602	95	25	11	4.91	23	2.48	34	7.33	11	1.45	36
9	WH 302	WH 302	85	31	10	4.30	31	3.25	24	5.34	38	1.58	33
12	30V53	30V53	79	33	8	3.13	39	2.41	37	3.86	40	1.71	30
Maturity group average			96	23	11	4.82	24	2.99	26	6.64	23	1.88	27
Entries with anthesis dates greater than 80 days													
41	CZH0716	CZL0613/CZL0616//CML159	40	42	1	2.47	42	1.33	42	3.60	41	0.70	42
Maturity group average			40	42	1	2.47	42	1.33	42	3.60	41	0.70	42
Mean			99	21	10	4.94	22	3.16	22	6.72	22	2.20	22
LSD (0.05)			13	6	2	1.09	9	1.22	12	1.80	12	1.75	12
Min			40	12	1	2.47	3	1.33	1	3.59	1	0.70	1
Max			116	42	14	6.42	42	4.18	42	9.74	42	4.17	42
NumSignificantSites			36	36	36	2	2	1		1		0	

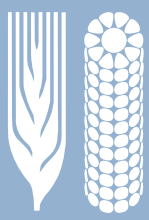
7. Inbred and Single-Cross Parent Trials

IPT08

	ART Farm- Zimbabwe									Kadoma - Zimbabwe							
Name	Anth	ASI	Plant	Ear	Ear	Lodging		Ears/	Ear	Anth	ASI	Plant	Ear	Ear	Lodging		E.turc
	Date		Height	Height	Position	Root	Stem	Plant	Rot	Date		Height	Height	Position	Root	Stem	Score
	d	d	cm	cm	0-1	%	%	#	%	d	d	cm	cm	0-1	%	%	1-5
CML144	92	-4.5	144	48	0.33	0	12	1.28	1.4	73	-2.3	155	78	0.50	0	0	1.0
CML181	92	0.5	132	51	0.40	3	3	1.27	3.8	76	-0.6	125	60	0.48	0	5	1.2
CML197	94	2.5	147	73	0.50	2	2	0.87	7.6	78	6.1	178	103	0.58	0	2	3.5
CML202	86	1.5	146	55	0.38	3	1	1.09	2.0	75	0.1	180	83	0.46	0	0	1.1
CML206	92	3.5	143	51	0.37	0	5	0.75	2.0	76	0.0	125	53	0.41	0	0	2.5
CML216	95	1.5	164	71	0.44	16	11	0.93	0.0	75	2.2	163	90	0.56	0	0	1.0
CML312	93	0.5	150	53	0.36	0	0	0.78	19.0	72	2.4	150	68	0.45	0	0	2.6
CML395	91	0.5	177	83	0.48	0	0	0.99	2.3	73	2.6	163	80	0.49	0	1	2.0
CML440	74	4.5	85	32	0.39	0	18	0.82	11.9	64	1.0	108	45	0.42	0	0	1.5
CML442	82	2.0	141	49	0.35	0	6	1.00	7.5	68	2.0	138	65	0.47	0	0	1.9
CML443	86	1.0	116	45	0.39	0	1	1.00	8.9	71	1.8	168	93	0.55	0	10	1.8
CML444	92	-1.5	173	74	0.43	0	7	0.88	0.0	74	-1.6	183	98	0.54	0	0	1.9
CML445	87	1.5	114	41	0.35	0	1	0.89	6.6	68	0.5	140	63	0.45	0	0	0.9
CML488	80	-0.5	74	27	0.37	0	11	0.65	10.8	68	-0.5	125	60	0.48	0	0	1.0
CML489	89	1.5	130	47	0.37	0	2	1.41	1.4	71	-0.3	150	73	0.49	0	0	0.9
CML492	92	1.0	143	58	0.41	2	2	0.99	5.9	76	-1.4	115	50	0.43	0	0	1.0
CML502	93	-1.5	121	37	0.31	0	0	0.81	10.0	76	4.0	170	60	0.35	0	0	1.9
CML505	82	-0.5	83	41	0.50	0	11	0.90	10.0	65	1.4	113	53	0.46	0	0	2.6
CML506	73	7.5	121	45	0.39	2	50	0.88	5.5	61	4.6	163	73	0.45	0	0	0.9
CML507	75	5.5	141	53	0.38	0	2	0.95	10.6	65	4.0	143	68	0.48	0	4	0.8
CML508	82	1.5	105	44	0.42	0	3	0.99	10.1	64	1.4	140	65	0.46	0	0	1.1
CML509	77	3.0	149	63	0.43	0	0	1.02	13.7	64	3.0	123	63	0.51	0	3	2.1
CML510	87	5.0	145	70	0.48	0	0	1.02	0.0	70	5.9	165	103	0.63	0	0	2.5
CML511	92	0.5	122	44	0.37	0	0	0.81	8.9	75	2.0	138	60	0.44	0	0	0.9
CML512	86	0.5	141	64	0.46	0	3	0.99	1.6	66	0.1	135	65	0.48	0	2	1.5
CML515	91	-1.5	128	58	0.45	0	0	1.20	1.6	72	1.5	138	70	0.51	0	0	2.1
CML516	92	0.5	134	52	0.38	3	0	1.30	3.6	76	0.5	148	85	0.58	0	0	1.0
CML517	86	-0.5	166	77	0.46	0	0	0.94	5.3	70	2.1	170	88	0.52	0	0	2.0
CML518	86	0.5	162	66	0.42	2	2	1.17	1.4	71	0.6	168	85	0.50	0	0	1.5
CML519	87	-2.0	138	54	0.39	1	0	1.18	0.1	73	-0.5	158	90	0.57	0	0	0.9
CML520	88	-2.5	107	44	0.41	0	0	1.04	1.7	70	-0.6	140	68	0.48	3	0	1.0
CML521	93	3.0	153	69	0.45	0	0	0.84	2.8	74	9.5	160	83	0.52	0	0	1.6
CML522	89	0.0	142	70	0.49	0	2	0.95	6.3	74	0.4	153	78	0.51	0	0	1.9
CML523	88	1.5	130	51	0.39	4	0	1.02	1.2	69	2.4	173	88	0.50	0	3	2.0
CML537	86	1.0	150	51	0.35	0	2	1.20	2.5	69	2.5	138	53	0.38	0	0	2.5
CML538	85	1.0	141	59	0.41	0	0	1.07	2.2	69	0.7	138	60	0.44	0	0	1.6
CML539	81	-0.5	121	40	0.34	0	2	1.24	4.9	66	-0.5	130	55	0.42	0	2	1.1
CZL00001	77	3.0	113	46	0.40	0	4	0.95	4.0	66	0.1	130	63	0.48	0	0	0.8
CZL00003	84	1.0	168	72	0.44	2	0	0.86	11.8	70	2.3	158	73	0.46	0	0	1.4
CZL01005	89	-1.0	131	61	0.47	0	0	1.01	1.0	70	0.9	143	68	0.47	0	0	1.2
CZL02012	85	-0.5	129	50	0.40	0	0	0.95	5.8	70	-0.3	150	58	0.38	0	0	1.5
CZL03007	83	0.0	120	55	0.46	0	0	0.97	0.4	68	-0.7	115	50	0.43	0	0	1.5
CZL03021	84	3.0	151	55	0.36	0	8	0.90	4.0	69	0.6	150	75	0.50	0	0	1.0
CZL04002	91	0.0	128	38	0.30	0	3	0.85	6.4	72	-3.1	130	70	0.54	0	0	1.1
CZL04003	80	1.5	109	47	0.44	0	0	0.96	9.5	63	1.6	115	53	0.46	0	0	0.9
CZL04007	83	-1.0	104	45	0.44	0	3	0.94	4.4	70	-0.5	118	100	0.82	0	0	1.0
CZL04008	71	2.0	126	31	0.26	2	7	0.89	6.5	58	0.0	118	43	0.36	0	3	1.1
CZL04009	81	4.0	122	49	0.40	0	2	0.89	4.5	65	2.3	150	73	0.49	0	0	0.9
CZL052	77	1.0	109	45	0.42	2	2	0.83	2.2	66	1.6	148	70	0.47	2	0	1.4
CZL054	88	2.5	153	63	0.42	2	3	1.02	1.3	72	1.0	128	50	0.39	0	0	1.2
CZL0610	86	1.0	115	55	0.48	0	0	0.93	6.0	69	0.1	133	65	0.49	0	0	0.9
CZL0621	81	-2.5	127	46	0.36	2	2	1.21	4.5	68	-0.7	133	63	0.48	0	4	0.9
CZL0621	81	-3.0	129	35	0.27	0	3	1.29	5.3	66	-1.4	138	63	0.45	0	3	1.0
CZL066	88	-1.0	101	44	0.41	0	8	0.93	0.0	74	-3.1	143	60	0.42	0	18	1.5
CZL0710	88	3.0	128	54	0.43	0	0	1.01	3.8	70	4.2	150	80	0.53	0	3	1.0
CZL0711	80	2.0	144	62	0.44	0	0	1.05	6.4	68	1.0	180	85	0.47	0	2	1.0
CZL0713	90	-0.5	142	73	0.52	0	2	1.07	5.2	72	-0.8	165	83	0.50	0	0	3.0
CZL0713	87	0.0	132	56	0.42	3	0	1.07	5.2	71	-0.7	158	75	0.48	0	0	1.9
CZL077	93	-3.0	132	58	0.43	0	0	1.18	2.5	75	-1.8	148	70	0.47	0	0	1.6
CZL078	81	1.0	116	46	0.39	0	14	0.92	10.4	66	-0.3	148	55	0.37	0	0	2.0
Mean	88	0.71	130.3	53.0	0.41	1.1	3.6	0.99	5.29	70	1.19	145.1	69.2	0.47	0.1	1.0	1.44
LSD (0.05)	7.9	2.93	27.2	20.6	0.27	5.2	8.0	0.39	8.43	2.0	2.23	24.2	24.8	0.16	0.5	7.8	0.65
MSe	15.69	2.13	183.72	105.38	0.02	6.68	16.05	0.04	17.68	1.00	1.23	145.59	152.39	0.01	0.07	15.09	0.10
CV	4.5	206.1	10.4	19.4	32.9	238.5	111.1	19.6	79.5	1.4	93.4	8.3	17.8	16.7	418.1	380.2	22.5
p	***	***	***	***	+	*	***	***	***	***	***	***	***	+	***	ns	***

SXPT08

Name	ART Farm - Zimbabwe																	Kadoma - Zimbabwe												
	Grain Yield		Anth	ASI	Plant	Ear	Ear	Lodging		Ears/	Husk	Ear	GLS	P.sorg	E.turc	Grain	Ear	Grain Yield		Anth	ASI	Plant	Ear	Ear	lodging	Ears/	Ear	E.turc	Grain	Ear
	GW	Rank	Date		Height	Height	Position	Root	Stem	Plant	Cover	Rot				Text	Aspect	GW	Rank	Date		Height	Height	Position	Stem	Plant	Rot		Text	Aspect
	t/ha	Rank	d	d	cm	cm	0-1	%	%	#	%	%	1-5	1-5	1-5	1-5	1-5	t/ha	Rank	d	d	cm	cm	0-1	%	#	%	1-5	1-5	1-5
CML144/CML159	8.44	18	82	0.5	265	126	0.48	2	4	0.97	3.2	0.0	1.5	1.0	1.5	2.5	2.5	1.64	30	69	0.5	243	103	0.43	0.0	0.87	1.0	1.0	2.0	4.0
CML144/CZL067	9.57	7	79	0.0	252	128	0.52	1	0	1.01	4.2	1.4	1.5	1.3	1.0	3.0	2.5	2.96	10	69	0.0	241	113	0.47	0.9	0.93	0.0	1.0	2.0	3.0
CML202/CML395	7.39	29	82	1.5	248	135	0.53	2	0	1.02	2.8	0.0	1.3	1.3	1.5	3.5	3.0	2.46	22	69	0.5	234	120	0.51	28.0	0.87	1.8	1.0	2.8	2.9
CML312/CML440	8.62	15	78	0.5	222	118	0.51	0	0	0.86	4.3	0.9	1.0	1.3	1.5	3.0	2.5	2.70	20	66	1.0	226	110	0.49	0.0	0.85	1.2	1.0	2.0	2.7
CML312/CML442	8.55	16	78	1.0	249	138	0.56	5	2	0.84	7.9	5.9	1.3	1.3	2.3	5.0	3.0	2.90	12	68	1.0	248	120	0.50	0.0	0.98	1.1	1.0	4.0	3.0
CML312/CML443	11.02	2	78	1.0	247	134	0.55	0	3	1.12	5.9	1.4	1.0	1.0	2.0	1.5	2.5	2.95	11	67	-0.5	229	118	0.51	0.0	0.94	0.0	2.1	2.3	2.7
CML312/CML444	8.39	19	79	1.5	254	141	0.55	0	0	1.10	4.3	0.0	1.0	1.0	1.8	4.5	2.5	3.47	4	69	-1.0	260	128	0.49	0.5	0.94	0.8	1.0	4.0	2.8
CML312/CZL00001	8.18	24	79	0.0	250	128	0.52	2	0	1.00	4.2	2.2	1.0	1.0	1.5	3.0	2.5	4.28	1	65	1.0	241	118	0.48	0.0	0.91	0.0	1.1	3.0	2.4
CML395/CML444	9.31	12	84	1.0	271	167	0.62	1	17	0.91	3.0	0.0	1.3	1.5	1.5	4.0	2.0	3.06	8	70	0.0	261	143	0.55	0.1	0.95	1.6	2.0	3.8	3.0
CML395/CZL03005	9.52	9	78	1.0	257	137	0.53	1	1	1.02	2.9	0.0	1.0	1.3	1.8	1.5	3.0	2.81	15	67	0.0	237	118	0.49	0.6	0.92	4.2	1.0	2.0	2.8
CML442/CML445	8.34	21	79	1.0	215	108	0.49	0	1	0.90	10.2	0.0	1.0	1.0	1.5	5.0	3.0	3.05	9	68	-1.0	235	105	0.45	0.5	0.94	0.0	1.0	4.8	2.6
CML443/CML444	9.55	8	80	0.5	259	138	0.53	2	1	0.93	5.6	0.7	1.0	1.3	2.0	4.5	2.5	2.82	14	68	-1.5	248	140	0.56	0.0	0.99	1.5	1.5	4.0	3.0
CML443/CML445	7.65	27	77	0.0	235	124	0.54	3	0	0.90	4.5	3.4	1.0	1.0	1.8	3.0	3.0	2.66	21	66	0.0	236	115	0.49	0.1	0.95	0.0	1.5	2.8	3.2
CML444/CML502	9.20	13	84	1.0	279	155	0.54	1	0	1.13	4.4	0.0	1.0	1.3	2.0	2.5	2.5	2.39	23	69	3.0	254	120	0.48	0.0	1.04	1.5	1.0	3.3	3.2
CML444/CML536	8.23	23	79	1.0	230	129	0.57	5	0	0.75	4.7	0.0	1.0	1.8	1.5	3.0	2.5	1.43	31	68	2.0	216	103	0.47	0.0	0.80	1.0	1.0	2.8	4.3
CML445/CML444	9.51	10	81	1.0	263	144	0.55	2	0	1.08	5.6	0.0	1.0	1.3	1.5	4.5	2.5	3.18	5	68	-1.5	237	120	0.50	2.0	0.98	0.0	1.0	3.3	3.6
CML488/CML395	9.66	6	79	1.0	237	127	0.55	0	0	0.97	5.8	1.1	1.3	1.0	1.5	3.0	3.0	1.81	29	65	0.0	221	118	0.54	0.1	0.73	1.2	1.0	3.0	2.7
CML489/CML444	6.48	30	83	0.5	253	143	0.57	0	3	1.10	2.8	0.0	1.0	1.5	1.5	4.0	2.0	2.20	26	71	-1.5	246	123	0.49	7.7	0.84	1.9	1.5	3.5	2.8
CML502/CZL068	7.99	25	79	2.0	252	126	0.51	0	0	0.82	5.8	1.2	1.3	1.5	1.8	2.5	2.0	3.84	2	67	1.0	224	108	0.47	0.6	1.15	0.0	1.5	2.8	3.1
CML539/CZL00001	10.92	3	75	-1.0	208	104	0.50	0	0	1.03	4.2	4.6	1.0	1.0	1.5	3.5	2.5	2.77	17	63	0.5	217	95	0.44	0.0	0.92	0.0	1.0	2.5	2.6
CZL00003/CML444	10.26	4	83	1.5	286	149	0.53	0	4	0.96	4.2	1.6	1.0	1.0	2.0	4.5	3.0	2.76	18	70	0.5	273	148	0.56	0.0	0.90	3.5	1.0	3.0	2.6
CZL00003/CML488	8.46	17	79	1.0	254	134	0.54	0	0	1.08	3.0	0.0	1.5	1.0	1.3	3.0	2.0	3.17	6	68	0.5	239	125	0.52	1.5	0.94	2.7	1.1	3.0	2.6
CZL04005/CML445	8.94	14	81	1.0	250	128	0.53	2	0	1.00	7.0	0.0	1.0	1.0	1.5	3.0	3.0	2.74	19	70	0.0	242	120	0.49	0.6	0.91	0.0	1.5	3.0	3.8
CZL04008/CZL04009	2.43	32	63	2.5	164	62	0.39	0	0	0.84	6.2	0.0	1.3	1.0	2.0	4.0	2.5	3.08	7	59	0.0	166	65	0.40	0.1	1.00	0.0	1.0	2.8	3.3
CZL0613/CZL0616	5.28	31	84	0.5	212	103	0.49	6	0	0.85	6.0	0.0	1.8	1.0	1.3	2.0	3.0	1.31	32	69	1.0	219	115	0.53	0.0	0.90	1.1	1.0	2.0	3.2
CZL0710/CZL0711	7.52	28	78	1.5	238	134	0.54	3	11	1.05	2.9	1.5	1.3	1.3	1.5	3.0	3.0	2.89	13	66	0.5	249	125	0.50	4.5	0.96	2.3	1.0	2.5	3.3
CZL0712/CML537	9.99	5	78	0.5	241	131	0.55	2	0	1.03	9.7	0.0	1.3	1.3	1.5	2.5	2.5	2.22	25	69	0.0	239	118	0.49	0.0	0.91	0.8	1.1	3.5	2.7
CZL0713/CZL077	8.27	22	77	0.5	237	124	0.54	6	0	1.01	5.6	0.0	1.5	1.5	2.0	2.5	3.0	2.32	24	65	0.0	233	108	0.48	0.0	0.91	2.5	1.0	3.0	3.3
CZL0713/CZL077	7.74	26	78	0.0	235	126	0.52	1	0	0.95	5.6	2.3	1.5	1.0	1.8	3.0	3.0	2.17	27	65	0.0	226	113	0.49	0.0	1.01	0.8	2.0	2.3	3.0
SC633	9.45	11	77	0.5	236	119	0.52	32	1	0.93	8.3	2.3	1.3	1.0	2.3	4.5	3.5	2.79	16	66	-0.5	239	110	0.46	0.1	0.91	0.9	2.0	4.5	3.3
SC721	11.46	1	81	2.0	254	134	0.54	0	0	0.98	2.9	0.8	1.0	1.3	2.3	3.5	2.5	3.55	3	68	2.0	251	130	0.53	0.1	0.90	2.8	2.5	3.3	2.3
WW01408/CML181dent	8.37	20	77	0.5	230	129	0.58	2	0	0.90	5.8	1.5	1.5	1.8	1.3	4.0	4.0	2.09	28	66	1.0	229	118	0.53	0.1	0.96	8.6	1.0	4.3	3.5
Mean	**8.6**	**17**	**78.8**	**0.8**	**243.3**	**128.9**	**0.53**	**2.5**	**1.5**	**0.97**	**5.1**	**1.0**	**1.2**	**1.2**	**1.7**	**3.3**	**2.7**	**2.70**	**17**	**67.0**	**0.3**	**236.2**	**116.4**	**0.49**	**1.4**	**0.93**	**1.4**	**1.3**	**3.0**	**3.0**
LSD (0.05)	**5.4**	**9**	**2.8**	**1.5**	**28.6**	**17.8**	**0.07**	**13.8**	**6.8**	**0.22**	**4.3**	**3.8**	**0.5**	**0.5**	**0.6**	**1.5**	**1.3**	**1.03**	**9**	**1.8**	**1.6**	**12.7**	**17.0**	**0.06**	**13.4**	**0.20**	**2.9**	**0.8**	**0.7**	**1.1**
MSe	**13.6**		**1.8**	**0.6**	**192.5**	**74.4**	**0.00**	**45.0**	**11.0**	**0.01**	**4.5**	**3.3**	**0.1**	**0.1**	**0.1**	**0.5**	**0.4**	**0.25**		**0.7**	**0.6**	**37.9**	**68.5**	**0.00**	**42.4**	**0.01**	**2.0**	**0.1**	**0.1**	**0.3**
CV	**30.39**		**1.7**	**88.9**	**5.7**	**6.7**	**6.44**	**271.6**	**215.4**	**10.78**	**41.5**	**181.1**	**19.7**	**18.9**	**16.4**	**22.2**	**24.0**	**18.47**		**1.3**	**292.7**	**2.6**	**7.1**	**5.47**	**466.8**	**10.64**	**101.7**	**30.5**	**11.9**	**18.0**
p	**0.706**		**0.000**	**0.091**	**0.000**	**0.000**	**0.013**	**0.198**	**0.015**	**0.140**	**0.090**	**0.289**	**0.074**	**0.037**	**0.007**	**0.002**	**0.606**	**0.003**		**0.000**	**0.001**	**0.000**	**0.000**	**0.001**	**0.315**	**0.430**	**0.003**	**0.019**	**0.000**	**0.222**
p	ns		***	+	***	***	*	ns	*	ns	+	ns	+	*	**	**	ns	**		***	**	***	***	**	ns	ns	**	*	***	ns



CIMMYT MR