

VERSLAG VAN DIE GARS
LYNEVALUASIE PROEWE
ONDER BESPROEIING

*REPORT ON THE BARLEY LINE
EVALUATION TRIALS UNDER
IRRIGATION*

SEISOEN 2011 SEASON



Programme executed by:



**SOUTH AFRICAN BARLEY BREEDING INSTITUTE
SMALL GRAIN INSTITUTE
SAB MALTINGS**



SABBI

GARS LYN EVALUASIE IN DIE BESPROEIINGS GEBIED BARLEY LINE EVALUATION IN THE IRRIGATION AREA

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1. INTRODUCTION

The main objective of the line evaluation program is to plant the best lines from the two different breeding programmes under the exact same conditions (soil, climate and management) in order to ensure that the yield, grading characteristics and malting quality results of the lines from the different breeding programmes could be evaluated on a more comparative basis.

During the 2011 season, six trials were planted under irrigation in the Northern Cape. All the trials were harvested, and used for evaluation of the lines in the trial.

This report will cover all the line evaluation trials as executed by Sabbi, SGI and SABM during the 2011 season. The relevant agronomic data, grading characteristics and yield results will be represented.

2. SUMMARY

As a summary **Figure 1** shows the average grain yield and quality parameters for the LE trials.

3. LOCALITIES

The present barley production area (Irrigation area) was divided into two sub areas, namely Northern Irrigation area (Taung, Hartswater and Bull Hill) and Southern Irrigation area (Rietrivier, Douglas East and Douglas West). Each of these sub areas was covered by three localities that are representative of the different homogeneous agricultural areas in the respective sub areas.

The different sub areas with their respective localities and some information on the co-workers are listed in **Table 14**.

4. MATERIAL AND METHODS

The trial in the Irrigation area consisted of 25 entries (3 replicates) from which two are commercially grown cultivars (controls); two provisionally released lines (Sabbi), one fourth year line (ARC), four third year lines (Sabbi), six second year lines (Sabbil) and ten first year lines from (Sabbi). All the entries for the Irrigation area are listed in **Table 15**.

All the trials were laid out according to the nearest neighbour design and the data analysed with Agrobase Generation II software. In order to standardise the trials, all were planted by the SGI with a Wintersteiger Plotman trial plot planter. The individual plots consisted of 8 rows with an inter row spacing of 17.5 cm. Plots were planted at 6m in length and just before harvesting trimmed back to a plot of 5m in length. The seeding density of the different lines used in the trials varied according to their thousand-kernel weight. The aim was therefore to establish the same quantity of plants per unit area in a trial for a specific area.

Fertilisation of all the trials was applied according to the area, rotation system and individual recommendations obtained from soil analysis.

Weed, pest and disease control were applied optimally as required in order to ensure a competitive free environment for the barley plants throughout the growing season.

At the end of the growing season all trials were harvested with a Wintergeister or Hege trial plot harvester. The net trial plots consisted of 8 rows of 5 m length (6.8 m²). Yield in kg/ha was determined and a complete grading was done on the harvested samples with a Steinecker grading apparatus and nitrogen content of the kernels was determined with an Infratec 1221 whole grain analyser. For the purpose of this report, only yield, percentage plumpness (> 2.5 mm), screenings (< 2.0 mm) and percentage kernel nitrogen will be represented.

5. RESULTS

No trials were excluded from the results.

The following set of data will be presented for all the other trials:

5.1 *Average Yield*

The average yield is expressed in kg/ha. Yield data is presented for each individual trial as well as averages for regions so that evaluation can also be done on a regional basis.

To simplify evaluation all tables will also include the following statistical measurements:

LSD($T_{0.05}$): Least significant difference that is significant at a 5% level

LSD($T_{0.10}$): Least significant difference that is significant at a 10% level

CV: Coefficient of variance

5.2 *Grading characteristics*

The following grading characteristics are presented:

Percentage plumpness (kernels > 2.5 mm)

Percentage screenings (kernels < 2.0 mm)

Percentage total kernel nitrogen

The same statistical measurements as mentioned under average yield are also used for these parameters.

5.3 *General appearance*

As determined on all trials throughout the season and indicated on a scale of 1 to 9. A figure of 9 indicates line with the best general performance.

5.4 *Stage of ripeness*

Determined on a scale of 1 to 5, where 1 indicates the early maturing lines and 5 the late maturing lines.

5.5 *Straw length*

Gives an indication of the average straw length as observed throughout all the LE trials. Straw length is expressed in categories ranging from short to long.

5.6 *Straw height (cm)*

This is the general height of an individual line measured from at least two points in the plot chosen at random. The measurement is from ground level to the top of the ear, ignoring awns.

5.7 *Straw strength*

Determined on a scale of 1 to 5, where 5 indicate total resistance to lodging and 1 no resistance to lodging.

TABEL 1: Gemiddelde opbrengste en opbrengsrankordes van inskrywings in die LE Besproeiingsproef, 2011

TABEL 1: Mean yields and yield rankings of entries in the LE Irrigation trial, 2011

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. opb. % van std. Mean rel. yield % of std.	Gemiddelde		Lokaliëte/Localities											
			Mean		TAUNG		HARTSWATER		BULL HILL		RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
			Yield	Rk	Yield	Rk	Yield	Rk	Yield	Rk	Yield	Rk	Yield	Rk	Yield	Rk
1	Puma	100.0	9557	17	8519	22	10746	10	9013	19	10169	19	9890	14	9002	13
2	Cocktail	110.6	10565	5	9324	14	11238	6	9558	9	12052	1	11022	2	10195	4
3	Marthe	97.8	9349	21	9458	13	9731	23	9552	10	10218	18	9841	15	7296	25
4	Cristalia	101.4	9694	15	8216	24	10184	19	9164	17	10884	10	10548	6	9172	11
5	B06/05	84.0	8031	25	6500	25	9062	25	7991	25	8645	25	8505	25	7484	23
6	07-900-19	110.6	10568	4	10338	3	11822	1	10185	3	11240	6	10485	8	9338	10
7	07-900-25	102.1	9754	12	9661	9	10476	12	9363	14	10353	16	9802	17	8868	16
8	01-041-02	94.9	9072	24	9644	10	9601	24	8826	23	9446	23	8930	24	7984	22
9	03-059-02	99.2	9485	20	8865	19	10462	13	9445	12	10077	21	9718	18	8340	19
10	09-900-01	105.4	10074	9	10176	5	10162	20	9130	18	10591	13	10857	4	9527	8
11	09-900-02	111.5	10655	2	9911	8	11501	2	9704	6	10895	9	11395	1	10525	1
12	09-900-06	113.7	10870	1	10202	4	11495	3	10721	1	11778	3	10821	5	10205	3
13	03-060-01	97.3	9303	22	8911	18	10257	17	8863	22	10093	20	9494	21	8197	21
14	03-061-01	99.6	9518	19	8458	23	10258	16	9371	13	10367	14	9696	20	8962	14
15	03-066-01	102.0	9747	13	9627	11	10659	11	9301	15	10363	15	9708	19	8824	17
16	10-900-02	109.1	10423	7	8779	20	10933	7	10123	4	11835	2	10542	7	10325	2
17	10-900-10	109.1	10423	6	9976	7	10862	8	10290	2	11291	5	10447	9	9674	6
18	03-059-03	103.1	9850	11	9108	16	9852	21	9548	11	10963	8	10181	12	9449	9
19	03-059-05	101.7	9715	14	9305	15	10794	9	9259	16	10618	12	9975	13	8339	20
20	03-065-01	104.2	9955	10	9603	12	10365	14	8817	24	10981	7	10338	10	9623	7
21	03-065-02	111.3	10633	3	10536	1	11290	5	9635	7	11302	4	10968	3	10066	5
22	03-066-04	99.6	9521	18	8777	21	10208	18	8888	21	10257	17	10210	11	8787	18
23	03-066-06	106.9	10216	8	10446	2	11492	4	9593	8	10846	11	9819	16	9098	12
24	03-067-01	95.1	9090	23	9047	17	9797	22	10097	5	9290	24	8939	23	7369	24
25	03-067-02	100.2	9580	16	9987	6	10288	15	8985	20	9811	22	9450	22	8959	15
GEMIDD/AVERAGE			9826		9335		10541		9417		10575		10063		9024	
KV/CV			5.2		7.2		5.6		3.8		5.2		4.0		4.1	
KBV/LSD (T0.10)			408		742		650		395		607		443		401	
KBV/LSD (T0.05)			524		958		839		510		784		572		518	

TABEL 2: Gemiddelde opbrengste en opbrengsrangordes van inskrywings in die LE Besproeiingsproef Noord
 TABLE 2: Mean yields and yield rankings of entries in the LE Irrigation trial North

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. opb. % van std. Mean rel. yield % of std.	Gemiddelde Mean		Lokaliteite/Localities					
					TAUNG		HARTSWATER		BULL HILL	
					Yield	Rk	Yield	Rk	Yield	Rk
1	Puma	100.0	9426	19	8519	22	10746	10	9013	19
2	Cocktail	106.5	10040	7	9324	14	11238	6	9558	9
3	Marthe	101.6	9580	17	9458	13	9731	23	9552	10
4	Cristalia	97.5	9188	24	8216	24	10184	19	9164	17
5	B06/05	83.3	7851	25	6500	25	9062	25	7991	25
6	07-900-19	114.4	10782	2	10338	3	11822	1	10185	3
7	07-900-25	104.3	9834	10	9661	9	10476	12	9363	14
8	01-041-02	99.3	9357	21	9644	10	9601	24	8826	23
9	03-059-02	101.7	9591	16	8865	19	10462	13	9445	12
10	09-900-01	104.2	9823	11	10176	5	10162	20	9130	18
11	09-900-02	110.0	10372	6	9911	8	11501	2	9704	6
12	09-900-06	114.6	10806	1	10202	4	11495	3	10721	1
13	03-060-01	99.1	9344	22	8911	18	10257	17	8863	22
14	03-061-01	99.3	9362	20	8458	23	10258	16	9371	13
15	03-066-01	104.6	9862	9	9627	11	10659	11	9301	15
16	10-900-02	105.5	9945	8	8779	20	10933	7	10123	4
17	10-900-10	110.1	10376	5	9976	7	10862	8	10290	2
18	03-059-03	100.8	9503	18	9108	16	9852	21	9548	11
19	03-059-05	103.8	9786	12	9305	15	10794	9	9259	16
20	03-065-01	101.8	9595	15	9603	12	10365	14	8817	24
21	03-065-02	111.3	10487	4	10536	1	11290	5	9635	7
22	03-066-04	98.6	9291	23	8777	21	10208	18	8888	21
23	03-066-06	111.5	10510	3	10446	2	11492	4	9593	8
24	03-067-01	102.3	9647	14	9047	17	9797	22	10097	5
25	03-067-02	103.5	9753	13	9987	6	10288	15	8985	20
GEMIDD/AVERAGE			9764		9335		10541		9417	
KV/CV			5.8		7.2		5.6		3.8	
KBV/LSD (T0.10)			598		742		650		395	
KBV/LSD (T0.05)			773		958		839		510	

TABEL 3: Gemiddelde opbrengste en opbrengsrangordes van inskrywings in die LE Besproeiingsproef Suid
 TABLE 3: Mean yields and yield rankings of entries in the LE Irrigation trial South

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. opb. % van std. Mean rel. yield % of std.	Gemiddelde Mean Yield Rk		Lokaliteite/Localities					
					RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
					Yield	Rk	Yield	Rk	Yield	Rk
1	Puma	100.0	9687	14	10169	19	9890	14	9002	13
2	Cocktail	114.5	11090	1	12052	1	11022	2	10195	4
3	Marthe	94.1	9118	22	10218	18	9841	15	7296	25
4	Cristalia	105.3	10201	10	10884	10	10548	6	9172	11
5	B06/05	84.8	8211	25	8645	25	8505	25	7484	23
6	07-900-19	106.9	10354	7	11240	6	10485	8	9338	10
7	07-900-25	99.9	9675	16	10353	16	9802	17	8868	16
8	01-041-02	90.7	8787	23	9446	23	8930	24	7984	22
9	03-059-02	96.8	9378	20	10077	21	9718	18	8340	19
10	09-900-01	106.6	10325	8	10591	13	10857	4	9527	8
11	09-900-02	112.9	10938	2	10895	9	11395	1	10525	1
12	09-900-06	112.9	10935	3	11778	3	10821	5	10205	3
13	03-060-01	95.6	9261	21	10093	20	9494	21	8197	21
14	03-061-01	99.9	9675	15	10367	14	9696	20	8962	14
15	03-066-01	99.4	9631	18	10363	15	9708	19	8824	17
16	10-900-02	112.5	10901	4	11835	2	10542	7	10325	2
17	10-900-10	108.1	10470	6	11291	5	10447	9	9674	6
18	03-059-03	105.3	10198	11	10963	8	10181	12	9449	9
19	03-059-05	99.6	9644	17	10618	12	9975	13	8339	20
20	03-065-01	106.5	10314	9	10981	7	10338	10	9623	7
21	03-065-02	111.3	10779	5	11302	4	10968	3	10066	5
22	03-066-04	100.7	9751	13	10257	17	10210	11	8787	18
23	03-066-06	102.4	9921	12	10846	11	9819	16	9098	12
24	03-067-01	88.1	8532	24	9290	24	8939	23	7369	24
25	03-067-02	97.1	9406	19	9811	22	9450	22	8959	15
GEMIDD/AVERAGE			9887		10575		10063		9024	
KV/CV			4.6		5.2		4.0		4.1	
KBV/LSD (T0.10)			406		607		443		401	
KBV/LSD (T0.05)			524		784		572		518	

TABEL 4: Gemiddelde vetkorpersentasie (>2,5mm) en rangordes van inskrywings in die LE Besproeiingsproef

TABLE 4: Mean plumpness (>2.5mm) and rankings of entries in the LE Irrigation trial

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. opb. % van std. Mean rel. yield % of std.	Gemiddelde Mean		Lokaleite/Localities											
			Plump	Rk	TAUNG		HARTSWATER		BULL HILL		RIETRIVIER		DOUGLAS OOSDOUGLAS			
			Plump	Rk	Plump	Rk	Plump	Rk	Plump	Rk	Plump	Rk	Plump	Rk	Plump	Rk
1	Puma	100.0	98.7	5	99.1	11	98.5	4	98.4	6	99.1	10	98.5	13	98.5	13
2	Cocktail	98.7	97.4	18	97.8	22	94.1	20	97.0	16	98.4	18	98.9	7	98.1	7
3	Marthe	99.6	98.3	10	98.9	14	97.3	11	97.9	12	99.3	4	98.6	11	97.6	11
4	Cristalia	98.6	97.3	19	98.5	20	95.2	18	97.7	13	98.2	22	96.9	23	97.3	23
5	B06/05	99.0	97.6	17	98.9	13	96.4	14	97.9	11	99.3	5	98.7	9	94.5	9
6	07-900-19	99.3	97.9	14	98.9	12	97.3	10	97.5	14	98.5	16	97.2	21	98.2	21
7	07-900-25	99.3	97.9	15	99.5	2	98.2	5	95.6	21	98.4	19	97.5	19	98.5	19
8	01-041-02	99.3	98.0	13	99.2	6	96.1	16	96.9	17	99.1	11	98.8	8	97.6	8
9	03-059-02	99.3	98.0	12	99.2	8	96.3	15	98.0	10	98.6	15	97.8	16	97.8	16
10	09-900-01	100.7	99.4	1	99.9	1	98.9	1	99.0	1	99.5	2	99.4	2	99.6	2
11	09-900-02	99.0	97.7	16	98.8	16	96.9	13	96.2	19	98.3	20	98.3	15	97.6	15
12	09-900-06	100.1	98.8	3	99.4	3	98.0	6	98.7	4	99.2	6	99.2	4	98.2	4
13	03-060-01	99.4	98.1	11	99.4	4	97.3	9	96.6	18	99.5	1	99.5	1	96.4	1
14	03-061-01	99.7	98.4	9	98.9	15	97.2	12	98.7	3	99.4	3	98.6	12	97.5	12
15	03-066-01	98.1	96.8	21	98.7	18	93.1	22	95.8	20	98.7	14	97.1	22	97.6	22
16	10-900-02	99.9	98.6	6	99.3	5	97.6	8	98.1	9	99.0	12	99.1	6	98.6	6
17	10-900-10	100.3	98.9	2	99.2	7	98.6	3	98.4	5	99.2	7	98.6	10	99.5	10
18	03-059-03	99.8	98.5	7	98.7	17	98.0	7	98.4	7	99.1	8	98.3	14	98.5	14
19	03-059-05	100.1	98.7	4	99.1	9	98.8	2	98.1	8	99.1	9	99.2	3	97.9	3
20	03-065-01	96.9	95.6	23	97.8	23	88.6	25	93.8	23	98.3	21	97.7	17	97.2	17
21	03-065-02	98.2	96.9	20	98.7	19	93.1	21	97.1	15	98.1	23	97.7	18	96.7	18
22	03-066-04	99.7	98.4	8	99.1	10	95.9	17	98.9	2	99.0	13	99.2	5	98.2	5
23	03-066-06	98.1	96.8	22	97.9	21	94.7	19	95.2	22	98.4	17	97.3	20	97.2	20
24	03-067-01	95.7	94.4	25	96.2	25	92.3	23	93.3	24	96.2	25	95.8	25	92.6	25
25	03-067-02	96.0	94.7	24	97.5	24	88.6	24	92.8	25	97.1	24	96.5	24	95.6	24
GEMIDD/AVERAGE			97.7		98.7		95.9		97.0		98.7		98.2		97.5	
KV/ CV			3.8		0.4		1.8		1.2		0.3		0.5		1.1	
KBV/ LSD (T0.10)			1.0		0.4		1.9		1.3		0.3		0.5		1.2	
KBV/ LSD (T0.05)			1.3		0.6		2.5		1.7		0.4		0.7		1.5	

TABEL 5: Gemiddelde vetkorrelepersentasie (>2,5mm) en rangordes van inskrywings in die LE Besproeiingsproef Noord
 TABLE 5: Mean plumpness (>2,5mm) and rankings of entries in the LE Irrigation trial North

Insk.nr. <i>Entr.no.</i>	Inskrywing <i>Entry</i>	Gem.rel. vet. % van std. <i>Mean rel. plump % of std.</i>	Gemiddelde <i>Mean</i>		Lokalteite/Localities					
					TAUNG		HARTSWATER		BULL HILL	
					<i>Plump</i>	<i>Rk</i>	<i>Plump</i>	<i>Rk</i>	<i>Plump</i>	<i>Rk</i>
1	Puma	100.0	98.6	5	99.1	11	98.5	4	98.4	6
2	Cocktail	97.6	96.3	20	97.8	22	94.1	20	97.0	16
3	Marthe	99.4	98.0	9	98.9	14	97.3	11	97.9	12
4	Cristalia	98.5	97.2	18	98.5	20	95.2	18	97.7	13
5	B06/05	99.1	97.8	14	98.9	13	96.4	14	97.9	11
6	07-900-19	99.3	97.9	11	98.9	12	97.3	10	97.5	14
7	07-900-25	99.1	97.7	15	99.5	2	98.2	5	95.6	21
8	01-041-02	98.8	97.4	16	99.2	6	96.1	16	96.9	17
9	03-059-02	99.2	97.8	12	99.2	8	96.3	15	98.0	10
10	09-900-01	100.6	99.2	1	99.9	1	98.9	1	99.0	1
11	09-900-02	98.6	97.3	17	98.8	16	96.9	13	96.2	19
12	09-900-06	100.1	98.7	3	99.4	3	98.0	6	98.7	4
13	03-060-01	99.1	97.8	13	99.4	4	97.3	9	96.6	18
14	03-061-01	99.6	98.3	8	98.9	15	97.2	12	98.7	3
15	03-066-01	97.2	95.9	22	98.7	18	93.1	22	95.8	20
16	10-900-02	99.7	98.3	7	99.3	5	97.6	8	98.1	9
17	10-900-10	100.1	98.7	2	99.2	7	98.6	3	98.4	5
18	03-059-03	99.7	98.4	6	98.7	17	98.0	7	98.4	7
19	03-059-05	100.0	98.7	4	99.1	9	98.8	2	98.1	8
20	03-065-01	94.7	93.4	24	97.8	23	88.6	25	93.8	23
21	03-065-02	97.6	96.3	19	98.7	19	93.1	21	97.1	15
22	03-066-04	99.3	98.0	10	99.1	10	95.9	17	98.9	2
23	03-066-06	97.2	95.9	21	97.9	21	94.7	19	95.2	22
24	03-067-01	95.2	93.9	23	96.2	25	92.3	23	93.3	24
25	03-067-02	94.2	93.0	25	97.5	24	88.6	24	92.8	25
GEMIDD/AVERAGE			97.2		98.7		95.9		97.0	
KV/CV			1.3		0.4		1.8		1.2	
KBV/LSD (T0.10)			1.7		0.4		1.9		1.3	
KBV/LSD (T0.05)			2.1		0.6		2.5		1.7	

TABEL 6: Gemiddelde vetkorrelerpersentasie (>2,5mm) en rangordes van inskrywings in die LE Besproeiingsproef Suid
 TABLE 6: Mean plumpness (>2,5mm) and rankings of entries in the LE Irrigation trial South

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. vet. % van std. Mean rel. plump % of std.	Gemiddelde Mean		Lokaliteite/Localities					
			Plump	Rk	RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
					Plump	Rk	Plump	Rk	Plump	Rk
1	Puma	100.0	98.7	7	99.1	10	98.5	13	98.5	6
2	Cocktail	99.8	98.5	12	98.4	18	98.9	7	98.1	10
3	Marthe	99.8	98.5	9	99.3	4	98.6	11	97.6	15
4	Cristalia	98.8	97.5	23	98.2	22	96.9	23	97.3	18
5	B06/05	98.8	97.5	22	99.3	5	98.7	9	94.5	24
6	07-900-19	99.3	98.0	17	98.5	16	97.2	21	98.2	8
7	07-900-25	99.4	98.1	14	98.4	19	97.5	19	98.5	5
8	01-041-02	99.8	98.5	10	99.1	11	98.8	8	97.6	13
9	03-059-02	99.4	98.1	15	98.6	15	97.8	16	97.8	12
10	09-900-01	100.8	99.5	1	99.5	2	99.4	2	99.6	1
11	09-900-02	99.4	98.1	16	98.3	20	98.3	15	97.6	16
12	09-900-06	100.2	98.9	4	99.2	6	99.2	4	98.2	9
13	03-060-01	99.8	98.5	12	99.5	1	99.5	1	96.4	22
14	03-061-01	99.8	98.5	11	99.4	3	98.6	12	97.5	17
15	03-066-01	99.1	97.8	18	98.7	14	97.1	22	97.6	14
16	10-900-02	100.2	98.9	3	99.0	12	99.1	6	98.6	3
17	10-900-10	100.4	99.1	2	99.2	7	98.6	10	99.5	2
18	03-059-03	100.0	98.7	8	99.1	8	98.3	14	98.5	4
19	03-059-05	100.1	98.8	6	99.1	9	99.2	3	97.9	11
20	03-065-01	99.0	97.7	19	98.3	21	97.7	17	97.2	20
21	03-065-02	98.8	97.5	21	98.1	23	97.7	18	96.7	21
22	03-066-04	100.1	98.8	5	99.0	13	99.2	5	98.2	7
23	03-066-06	98.9	97.6	20	98.4	17	97.3	20	97.2	19
24	03-067-01	96.1	94.9	25	96.2	25	95.8	25	92.6	25
25	03-067-02	97.7	96.4	24	97.1	24	96.5	24	95.6	23
GEMIDD/AVERAGE			98.1		98.7		98.2		97.5	
KV/CV			0.7		0.3		0.5		1.1	
KBV/LSD (T0.10)			0.9		0.3		0.5		1.2	
KBV/LSD (T0.05)			1.2		0.4		0.7		1.5	

TABEL 7: Gemiddelde sifseis (<2,0mm) en rangordes van inskrywings in die LE Besproeiingsproef

TABLE 7: Mean screenings (<2,0mm) and rankings of entries in the LE Irrigation trial

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. sifs. % van std. Mean rel. screen % of std.	Gemiddelde Mean		Lokaliiteite/Localities											
			Screen	Rk	TAUNG		HARTSWATER		BULL HILL		RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
					Screen	Rk	Screen	Rk	Screen	Rk	Screen	Rk	Screen	Rk	Screen	Rk
1	Puma	100.0	0.4	11	0.3	20	0.6	17	0.5	13	0.2	10	0.5	15	0.6	9
2	Cocktail	113.4	0.5	16	0.3	22	0.8	21	0.9	20	0.2	9	0.3	10	0.5	6
3	Marthe	86.3	0.4	8	0.1	9	0.5	13	0.5	12	0.2	5	0.4	14	0.6	8
4	Cristalia	114.9	0.5	17	0.2	16	0.8	20	0.4	7	0.4	23	0.8	24	0.4	5
5	B06/05	141.2	0.6	20	0.1	10	0.6	16	0.3	4	0.2	12	0.3	6	2.3	25
6	07-900-19	106.5	0.5	15	0.1	11	0.3	5	0.5	16	0.4	22	0.9	25	0.6	13
7	07-900-25	114.5	0.5	17	0.1	3	0.4	7	0.8	18	0.2	14	0.7	23	0.8	16
8	01-041-02	108.4	0.5	15	0.2	15	0.7	19	0.4	10	0.2	7	0.3	7	1.0	22
9	03-059-02	99.2	0.4	11	0.1	6	0.4	9	0.3	6	0.3	16	0.6	19	1.0	20
10	09-900-01	55.0	0.2	4	0.1	4	0.4	6	0.4	9	0.1	1	0.2	3	0.3	2
11	09-900-02	133.2	0.6	15	0.3	24	0.4	8	1.1	23	0.4	25	0.6	18	0.8	15
12	09-900-06	40.1	0.2	1	0.0	1	0.2	3	0.1	2	0.2	6	0.2	1	0.4	3
13	03-060-01	86.6	0.4	9	0.1	13	0.1	1	0.5	14	0.2	13	0.3	5	1.1	23
14	03-061-01	84.0	0.4	7	0.1	12	0.5	12	0.3	5	0.2	11	0.4	11	0.7	14
15	03-066-01	145.4	0.6	13	0.1	5	1.1	24	1.0	22	0.3	18	0.4	13	1.0	21
16	10-900-02	56.5	0.2	4	0.0	2	0.5	11	0.2	3	0.1	3	0.2	2	0.4	4
17	10-900-10	43.5	0.2	2	0.1	7	0.3	4	0.1	1	0.2	4	0.3	9	0.2	1
18	03-059-03	73.7	0.3	5	0.1	8	0.5	14	0.4	8	0.1	2	0.2	4	0.6	10
19	03-059-05	102.3	0.4	12	0.1	14	0.6	15	0.5	15	0.2	8	0.4	12	0.9	19
20	03-065-01	141.6	0.6	22	0.3	23	0.9	22	1.2	24	0.3	19	0.5	17	0.5	7
21	03-065-02	130.2	0.6	19	0.3	21	0.7	18	0.9	21	0.3	20	0.7	20	0.6	12
22	03-066-04	80.5	0.4	6	0.2	17	0.2	2	0.5	11	0.2	15	0.3	8	0.8	18
23	03-066-06	103.8	0.5	13	0.2	18	0.4	10	0.8	17	0.3	17	0.5	16	0.6	11
24	03-067-01	165.3	0.7	24	0.3	25	1.4	25	0.8	19	0.4	21	0.7	21	0.8	17
25	03-067-02	196.9	0.9	25	0.2	19	1.1	23	1.3	25	0.4	24	0.7	22	1.5	24
GEMIDD/AVERAGE			0.5	0.2	0.2	0.6	0.6	0.6	0.6	0.6	0.2	0.2	0.5	0.5	0.8	0.8
KV/CV			49.1	63.2	47.0	48.8	42.3	33.6	43.1	43.1	42.3	33.6	43.1	43.1	43.1	43.1
KBV/LSD (T0.10)			0.2	0.1	0.3	0.3	0.1	0.2	0.4	0.1	0.1	0.2	0.2	0.2	0.4	0.4
KBV/LSD (T0.05)			0.3	0.1	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.5	0.5

TABEL 8: Gemiddelde korreliststof en rangordes van inskrywings in die LE Besproeiingsproef
 TABLE 8: Mean kernel nitrogen and rankings of entries in the LE Irrigation trial

Insk.nr. Entr.no.	Inskrywing Entry	Gem. rel. opb. % van std. Mean rel. yield % of std.	Gemiddelde Mean			Lokaliiteit/Localities											
			TN	Rk		TAUNG		HARTSWATER		BULL HILL		RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
						TN	Rk	TN	Rk	TN	Rk	TN	Rk	TN	Rk	TN	Rk
1	Puma	100.0	1.92	5		1.98	16	2.04	9	1.95	7	1.93	3	1.72	5	1.99	12
2	Cocktail	95.1	1.83	21		1.97	17	1.99	19	1.81	23	1.75	24	1.63	21	1.86	23
3	Marthe	99.2	1.91	11		2.04	10	2.06	6	1.89	12	1.86	9	1.69	10	2.08	6
4	Cristalia	98.0	1.89	14		2.00	14	1.95	22	1.89	14	1.94	2	1.65	19	1.94	18
5	B06/05	106.0	2.04	1		2.23	1	2.21	1	1.98	3	1.96	1	1.82	1	2.36	1
6	07-900-19	91.2	1.75	25		1.83	25	1.85	25	1.79	25	1.75	23	1.55	24	1.94	19
7	07-900-25	94.5	1.82	23		1.89	23	1.89	23	1.85	20	1.83	15	1.63	22	1.85	24
8	01-041-02	99.6	1.92	7		2.03	12	2.04	8	1.98	2	1.90	5	1.63	20	2.13	4
9	03-059-02	99.4	1.91	8		2.07	6	2.07	2	1.91	10	1.82	17	1.69	9	2.04	10
10	09-900-01	94.6	1.82	22		1.90	22	2.03	10	1.87	16	1.78	19	1.52	25	1.96	15
11	09-900-02	98.0	1.89	14		1.97	18	2.02	13	1.95	8	1.82	16	1.67	15	1.95	17
12	09-900-06	96.5	1.86	17		1.95	19	2.02	15	1.84	21	1.81	18	1.66	16	1.95	16
13	03-060-01	101.9	1.96	2		2.12	3	2.06	4	2.02	1	1.84	14	1.76	2	2.05	8
14	03-061-01	99.3	1.91	9		2.06	8	1.99	20	1.96	6	1.87	7	1.67	14	2.06	7
15	03-066-01	100.3	1.93	4		2.04	11	2.06	5	1.97	4	1.91	4	1.67	12	2.04	9
16	10-900-02	98.5	1.90	13		2.02	13	2.02	14	1.89	13	1.86	8	1.69	8	1.93	20
17	10-900-10	95.6	1.84	19		1.98	15	2.00	16	1.82	22	1.77	20	1.63	23	1.90	21
18	03-059-03	97.9	1.88	16		2.05	9	1.99	18	1.86	19	1.86	10	1.66	18	1.97	14
19	03-059-05	100.6	1.94	3		2.12	2	2.03	12	1.96	5	1.85	11	1.72	6	2.08	5
20	03-065-01	96.2	1.85	18		1.94	20	1.99	17	1.87	17	1.76	22	1.69	11	2.31	2
21	03-065-02	94.3	1.81	24		1.85	24	1.96	21	1.81	24	1.75	25	1.70	7	1.72	25
22	03-066-04	99.9	1.92	6		2.07	5	2.04	7	1.93	9	1.84	13	1.73	4	2.14	3
23	03-066-06	95.1	1.83	20		1.90	21	1.88	24	1.87	18	1.77	21	1.73	3	1.88	22
24	03-067-01	98.9	1.90	12		2.06	7	2.03	11	1.88	15	1.88	6	1.66	17	1.99	13
25	03-067-02	99.3	1.91	9		2.08	4	2.07	3	1.89	11	1.84	12	1.67	13	2.01	11
GEMIDD/AVERAGE			1.89			2.01		2.01		1.90		1.84		1.67		2.01	
KV/CV			3.9			2.7		2.2		3.0		3.4		3.8		6.4	
KBV/LSD (T0.10)			0.05			0.06		0.05		0.06		0.07		0.07		0.14	
KBV/LSD (T0.05)			0.07			0.1		0.06		0.08		0.09		0.09		0.18	

TABEL 9: Gemiddelde korrelstikstof en rangordes van inskrywings in die LE Besproeiingsproef Noord
 TABLE 9: Mean kernel nitrogen and rankings of entries in the LE Irrigation trial North

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. TN % van std. Mean rel. TN % of std.	Gemiddelde Mean		Lokalteite/Localities					
					TAUNG		HARTSWATER		BULL HILL	
			TN	Rk	TN	Rk	TN	Rk	TN	Rk
1	Puma	100.0	1.99	11	1.98	16	2.04	9	1.95	7
2	Cocktail	96.6	1.92	21	1.97	17	1.99	19	1.81	23
3	Marthe	100.3	2.00	10	2.04	10	2.06	6	1.89	12
4	Cristalia	97.8	1.95	16	2.00	14	1.95	22	1.89	14
5	B06/05	107.5	2.14	1	2.23	1	2.21	1	1.98	3
6	07-900-19	91.6	1.82	25	1.83	25	1.85	25	1.79	25
7	07-900-25	94.3	1.88	23	1.89	23	1.89	23	1.85	20
8	01-041-02	101.3	2.02	5	2.03	12	2.04	8	1.98	2
9	03-059-02	101.3	2.02	6	2.07	6	2.07	2	1.91	10
10	09-900-01	97.2	1.93	18	1.90	22	2.03	10	1.87	16
11	09-900-02	99.5	1.98	13	1.97	18	2.02	13	1.95	8
12	09-900-06	97.3	1.94	17	1.95	19	2.02	15	1.84	21
13	03-060-01	103.9	2.07	2	2.12	3	2.06	4	2.02	1
14	03-061-01	100.7	2.00	9	2.06	8	1.99	20	1.96	6
15	03-066-01	101.7	2.02	4	2.04	11	2.06	5	1.97	4
16	10-900-02	99.3	1.98	14	2.02	13	2.02	14	1.89	13
17	10-900-10	97.2	1.93	18	1.98	15	2.00	16	1.82	22
18	03-059-03	98.8	1.97	15	2.05	9	1.99	18	1.86	19
19	03-059-05	102.3	2.04	3	2.12	2	2.03	12	1.96	5
20	03-065-01	97.2	1.93	18	1.94	20	1.99	17	1.87	17
21	03-065-02	94.1	1.87	24	1.85	24	1.96	21	1.81	24
22	03-066-04	101.2	2.01	7	2.07	5	2.04	7	1.93	9
23	03-066-06	94.6	1.88	22	1.90	21	1.88	24	1.87	18
24	03-067-01	100.0	1.99	11	2.06	7	2.03	11	1.88	15
25	03-067-02	101.2	2.01	7	2.08	4	2.07	3	1.89	11
GEMIDD/AVERAGE			1.97		2.01		2.01		1.90	
KV/CV			2.7		2.7		2.2		3.0	
KBV/LSD (T0.10)			0.05		0.06		0.05		0.06	
KBV/LSD (T0.05)			0.07		0.08		0.06		0.08	

TABEL 10: Gemiddelde korrelstikstof en rangordes van inskrywings in die LE Besproeiingsproef Suid
 TABLE 10: Mean kernel nitrogen and rankings of entries in the LE Irrigation trial South

Insk.nr. Entr.no.	Inskrywing Entry	Gem.rel. TN % van std. Mean rel. TN % of std.	Gemiddelde Mean		Lokaliteite/Localities					
					RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
			TN	Rk	TN	Rk	TN	Rk	TN	Rk
1	Puma	100.0	1.88	7	1.93	3	1.72	5	2.0	12
2	Cocktail	92.9	1.75	23	1.75	24	1.63	21	1.86	23
3	Marthe	99.8	1.88	8	1.86	9	1.69	10	2.08	6
4	Cristalia	98.0	1.84	13	1.94	2	1.65	19	1.94	18
5	B06/05	108.9	2.05	1	1.96	1	1.82	1	2.36	1
6	07-900-19	92.9	1.75	23	1.75	23	1.55	24	1.94	19
7	07-900-25	94.1	1.77	20	1.83	15	1.63	22	1.85	24
8	01-041-02	100.4	1.89	4	1.90	5	1.63	20	2.13	4
9	03-059-02	98.4	1.85	11	1.82	17	1.69	9	2.04	10
10	09-900-01	93.3	1.75	22	1.78	19	1.52	25	1.96	15
11	09-900-02	96.5	1.81	17	1.82	16	1.67	15	1.95	17
12	09-900-06	96.1	1.81	18	1.81	18	1.66	16	1.95	16
13	03-060-01	100.2	1.88	5	1.84	14	1.76	2	2.05	8
14	03-061-01	99.3	1.87	10	1.87	7	1.67	14	2.06	7
15	03-066-01	99.6	1.87	9	1.91	4	1.67	12	2.04	9
16	10-900-02	97.2	1.83	16	1.86	8	1.69	8	1.93	20
17	10-900-10	94.0	1.77	21	1.77	20	1.63	23	1.90	21
18	03-059-03	97.3	1.83	15	1.86	10	1.66	18	1.97	14
19	03-059-05	100.2	1.88	5	1.85	11	1.72	6	2.08	5
20	03-065-01	102.1	1.92	2	1.76	22	1.69	11	2.31	2
21	03-065-02	91.7	1.72	25	1.75	25	1.70	7	1.72	25
22	03-066-04	101.2	1.90	3	1.84	13	1.73	4	2.14	3
23	03-066-06	95.4	1.79	19	1.77	21	1.73	3	1.88	22
24	03-067-01	98.0	1.84	12	1.88	6	1.66	17	1.99	13
25	03-067-02	97.9	1.84	14	1.84	12	1.67	13	2.01	11
GEMIDD/AVERAGE			1.8		1.8		1.7		2.0	
KV/CV			4.9		3.4		3.8		6.4	
KBV/LSD (T0.10)			0.10		0.07		0.07		0.14	
KBV/LSD (T0.05)			0.13		0.09		0.09		0.18	

TABEL 11: Gemiddelde ontkiemingsenergie (4ml; 72h) en rangordes van inskrywings in die LE Besproeiingsproef
 TABLE 11: Mean germinative energy (4ml; 72h) and rankings of entries in the LE Irrigation trial

Insk.n. Entr.no.	Inskrywing Entry	Gem.rel. OE % van std. Mean rel. GE % of std.	Gemiddelde Mean			TAUNG		HARTSWATER		BULL HILL		RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
			OE	Mean	Rk	OE	Rk	OE	Rk	OE	Rk	OE	Rk	OE	Rk	OE	Rk
1	Puma	100.0	94	11	11	99	11	98	14	93	7	99	4	97	5	75	19
2	Cocktail	100.5	94	10	23	96	23	100	2	92	11	97	13	100	2	79	11
3	Marthe	99.6	93	13	3	100	3	99	6	91	13	95	18	95	8	79	12
4	Cristalia	97.7	91	16	1	100	1	100	4	91	12	85	23	95	7	77	15
5	B06/05	102.3	96	2	20	97	20	98	12	97	3	100	2	93	15	89	4
6	07-900-19	100.7	94	7	19	97	19	100	3	95	5	99	5	98	4	76	18
7	07-900-25	97.0	91	19	14	99	14	95	22	93	8	98	11	90	18	69	23
8	01-041-02	94.5	88	23	12	99	12	98	18	93	9	91	20	78	23	71	22
9	03-059-02	101.2	95	3	16	98	16	99	9	90	16	97	16	99	3	85	9
10	09-900-01	93.2	87	24	22	97	22	93	24	86	23	99	8	81	22	67	24
11	09-900-02	97.5	91	17	15	98	15	96	20	83	24	98	10	95	6	77	17
12	09-900-06	94.8	89	22	21	97	21	99	11	89	20	98	12	74	24	75	20
13	03-060-01	101.2	95	3	10	99	10	98	13	90	15	98	9	95	10	88	5
14	03-061-01	102.7	96	1	4	100	4	99	8	96	4	97	14	94	14	90	2
15	03-066-01	97.3	91	18	17	98	17	100	1	89	18	90	21	81	21	88	7
16	10-900-02	101.1	95	5	9	99	9	94	23	97	2	93	19	95	9	89	3
17	10-900-10	100.7	94	7	13	99	13	99	7	93	10	97	15	100	1	77	16
18	03-059-03	100.7	94	7	5	100	5	100	5	93	6	100	1	94	13	78	13
19	03-059-05	99.6	93	13	7	99	7	99	10	98	1	96	17	95	11	72	21
20	03-065-01	99.6	93	13	8	99	8	98	16	89	19	99	6	92	17	82	10
21	03-065-02	96.6	90	20	6	99	6	98	15	88	21	87	22	92	16	78	14
22	03-066-04	100.0	94	11	2	100	2	98	17	87	22	99	7	85	20	92	1
23	03-066-06	100.9	94	6	18	98	18	97	19	89	17	99	3	95	12	88	6
24	03-067-01	95.2	89	21	24	96	24	96	21	91	14	77	25	88	19	86	8
25	03-067-02	68.6	64	25	25	78	25	82	25	80	25	81	24	33	25	31	25
GEMIDD/AVERAGE			91	98	97	91	95	97	91	91	95	95	89	89	78	78	78
KV/CV			8.7	2.4	3.5	10.6	11.2	3.5	10.6	10.6	11.2	11.2	9.3	9.3	11.8	11.8	11.8
KBV/LSD (T0.10)			5.5	2.53	3.63	10.24	11.25	3.63	10.24	10.24	11.25	11.25	8.83	8.83	9.76	9.76	9.76
KBV/LSD (T0.05)			7.1	3.3	4.69	13.22	14.52	4.69	13.22	13.22	14.52	14.52	11.40	11.40	12.60	12.60	12.60

TABEL 12: Gemiddelde ontkiemingsenergie (8ml; 72h) en rangordes van inskrywings in die LE Besproeiingsproef
 TABLE 12: Mean germinative energy (8ml; 72h) and rankings of entries in the LE Irrigation trial

Insk.n. Entr.no.	Inskrywing Entry	Gem.rel. OE % van std. Mean rel. GE % of std.	Gemiddelde Mean			TAUNG		HARTSWATER		BULL HILL		RIETRIVIER		DOUGLAS OOS		DOUGLAS WES	
			OE	Mean	Rk	OE	Rk	OE	Rk	OE	Rk	OE	Rk	OE	Rk	OE	Rk
1	Puma	100	73	9	4	88	62	19	90	2	60	17	72	11	64	6	
2	Cocktail	101	74	5	9	80	79	1	75	22	75	3	73	10	60	12	
3	Marthe	88	64	22	13	77	68	13	82	14	47	23	64	18	46	23	
4	Cristalia	96	70	13	16	75	71	9	83	11	53	20	79	1	59	14	
5	B06/05	100	73	7	11	79	75	5	84	9	66	12	76	5	58	16	
6	07-900-19	87	63	23	12	77	58	22	81	16	55	19	59	21	48	22	
7	07-900-25	94	68	16	20	72	60	21	80	18	68	9	62	19	68	3	
8	01-041-02	97	71	10	18	73	64	16	78	20	68	8	75	6	66	5	
9	03-059-02	90	66	18	21	70	54	23	86	6	57	18	73	9	54	20	
10	09-900-01	92	67	17	7	84	64	17	78	19	49	22	71	13	55	18	
11	09-900-02	90	65	19	8	81	54	24	81	17	45	24	68	16	62	7	
12	09-900-06	88	64	21	15	75	77	3	69	24	53	21	56	23	55	19	
13	03-060-01	66	48	24	24	45	61	20	70	23	34	25	47	24	31	24	
14	03-061-01	97	70	11	22	68	70	11	82	15	69	7	74	7	59	15	
15	03-066-01	95	69	15	19	73	65	14	83	12	65	13	67	17	60	9	
16	10-900-02	100	73	8	5	87	64	15	88	3	67	10	70	15	61	8	
17	10-900-10	101	74	5	2	90	69	12	86	5	67	11	71	12	59	13	
18	03-059-03	107	78	2	6	84	73	6	92	1	72	5	76	4	69	2	
19	03-059-05	105	76	3	14	76	76	4	85	7	75	2	79	2	66	4	
20	03-065-01	109	80	1	1	90	71	8	83	10	76	1	78	3	79	1	
21	03-065-02	102	74	4	3	89	78	2	87	4	61	15	70	14	60	11	
22	03-066-04	97	70	12	17	74	73	7	82	13	75	4	57	22	60	10	
23	03-066-06	96	70	14	10	79	62	18	85	8	70	6	73	8	49	21	
24	03-067-01	89	65	20	23	67	70	10	76	21	61	16	59	20	57	17	
25	03-067-02	52	38	25	25	39	25	25	64	25	63	14	16	25	20	25	
GEMIDD/AVERAGE			68		76		66		81		62		67		57		
KV/CV			15.0		7.9		12.0		11.2		27.9		10.5		17.5		
KBV/LSD (T0.10)			6.6		6.37		8.33		9.61		18.35		7.46		10.62		
KBV/LSD (T0.05)			8.5		8.2		10.76		12.40		23.68		9.62		13.71		

TABEL 13: Agronomiese prestasie van die inskrywings in die LE Besproeiingsproef by verskillende lokaliteite
 TABLE 13: Agronomic performance of the entries in the LE Irrigation trial at different localities

Insk.nr. Entry nr.	Inskrywing Entry	General appearance	Stage of Ripeness	Plant Height (cm)	Resistance to Lodging	Peduncle strenght
1	Puma	6.5	3.0	90.8	5.0	5.0
2	Cocktail	6.7	3.4	82.4	5.0	5.0
3	Marthe	6.3	3.0	89.2	5.0	5.0
4	Cristalia	6.4	3.1	90.4	5.0	5.0
5	B06/05	5.7	2.1	103.0	4.7	4.6
6	07-900-19	6.0	3.6	83.6	5.0	5.0
7	07-900-25	5.8	3.5	85.0	5.0	4.8
8	01-041-02	6.3	3.1	88.2	5.0	5.0
9	03-059-02	6.0	3.5	83.2	5.0	5.0
10	09-900-01	6.9	3.0	91.2	5.0	5.0
11	09-900-02	6.5	3.4	88.0	5.0	5.0
12	09-900-06	6.8	3.2	91.6	5.0	5.0
13	03-060-01	6.0	2.9	88.0	5.0	5.0
14	03-061-01	6.3	3.0	89.6	5.0	5.0
15	03-066-01	6.3	3.4	84.8	5.0	5.0
16	10-900-02	6.7	3.0	94.4	5.0	5.0
17	10-900-10	7.0	3.1	94.0	5.0	5.0
18	03-059-03	6.3	3.4	92.6	5.0	5.0
19	03-059-05	6.1	4.3	84.4	5.0	5.0
20	03-065-01	7.1	3.4	86.8	5.0	5.0
21	03-065-02	7.1	3.3	88.2	5.0	5.0
22	03-066-04	6.3	3.1	87.6	5.0	5.0
23	03-066-06	6.2	3.4	78.2	5.0	5.0
24	03-067-01	6.1	3.2	78.4	5.0	5.0
25	03-067-02	6.5	3.1	83.2	5.0	5.0

TABEL 14: Produksiestatistiek van die proeflokaleite van die Lyn Evaluasie Besproeiingsproef, 2011

TABEL 14: Production statistics of the trial localities for the 2011 Line Evaluation Trial in the Irrigation area.

AREA	LOKALITEIT	PLAASNAAM	VERANTW	ROTASIE (2010/11 Somer Terugwaarts)	PLANT DATUM	PLANT DIGTHEID
Besproeiing Noord	Taung	Perseel JS1 - Ma Galodikwe	KGI	Gars, Mielies	28/06/2011	180
	Hartswater	Perseel 1F4 - Josias Delpoort	KGI	Gars, Katoen	27/06/2011	180
	Bull Hill	Perseel 27A3 - Piet Nel	KGI	Gars, Mielies	20/06/2011	180
Besproeiing Suid	Rietrivier	Karibu - Nico Jacobs	KGI	Koring, Mielies	04/07/2011	150
	Douglas Oos	Idstone - Frank Lawrence	KGI	Gars, Mielies	28/06/2011	150
	Douglas Wes	Torquay - Klasie Jacobs	KGI	Gars, Grondbone	22/06/2011	150

TABEL 15: Lys van inskrywings in die Lyn Evaluasieproef in die Besproeiingsgebied, 2011

TABLE 15: List of entries in the Line Evaluation trial in the Irrigation area, 2011

Insk.nr. <i>Entr.no.</i>	Inskrywing <i>Entry</i>	Jare in LE proef <i>Years in LE trial</i>	Program <i>Program</i>
1	Puma	Control	ARC
2	Cocktail	Control	Sabbi
3	Marthe	Control	Sabbi
4	Cristalia	Experimental	Sabbi
5	B06/05	4	ARC
6	07-900-19	3	Sabbi
7	07-900-25	3	Sabbi
8	01-041-02	3	Sabbi
9	03-059-02	3	Sabbi
10	09-900-01	2	Sabbi
11	09-900-02	2	Sabbi
12	09-900-06	2	Sabbi
13	03-060-01	2	Sabbi
14	03-061-01	2	Sabbi
15	03-066-01	2	Sabbi
16	10-900-02	1	Sabbi
17	10-900-10	1	Sabbi
18	03-059-03	1	Sabbi
19	03-059-05	1	Sabbi
20	03-065-01	1	Sabbi
21	03-065-02	1	Sabbi
22	03-066-04	1	Sabbi
23	03-066-06	1	Sabbi
24	03-067-01	1	Sabbi
25	03-067-02	1	Sabbi

Figure 1: Average grain yield and quality parameters for the LE trials in the Irrigation area, 2011.

