



National Cultivar Evaluation Programme under irrigation – 2017 report

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Three new additions were made to the list of cultivars recommended for wheat production in the different irrigation areas. At the recent annual meeting of the National Cultivar Evaluation Workgroup the cultivars SST 8154, Koedoes and Renoster were added to the list of recommended cultivars. No existing cultivars were removed from the list.

With the winter rainfall area in the midst of the worst drought conditions ever experienced, and climatic conditions in the summer rainfall dryland area far from ideal, the important role of wheat production under irrigation was yet again emphasised. Based on preliminary production figures wheat production under irrigation accounted for almost 50% of the total RSA production for the 2017 season.

Irrigation wheat cultivar evaluation trials for 2017 were carried out in the Cooler Central irrigation areas, the Warmer Northern irrigation areas,

KwaZulu-Natal and the Highveld. Yields were excellent in all the regions and no major problems were experienced in any production areas. The availability of wheat cultivars with high yield potential and acceptable grading quality is an important contributor to the profitability of wheat production under irrigation. Results from the National Cultivar Evaluation Programme under irrigation show that such cultivars are indeed available.

The results of the 2017 cultivar trials under irrigation were presented to the National Wheat Cultivar Evaluation workgroup on 7 February 2018. The report was accepted and the new recommendations for the 2018 season were finalised.

Choose the most suitable cultivar

The addition of the three new cultivars (SST 8154, Koedoes and Renoster) to the recommendations for the 2018 season, brings the total number of cultivars recommended for these areas to 25. Making a choice between

TABLE 1: COOLER CENTRAL IRRIGATION AREA (EARLIER PLANTING). AVERAGE YIELD (T/HA) OF ENTRIES DURING THE FULL OR PARTIAL PERIOD FROM 2014 - 2017.

CULTIVAR	2017		2016		2015		2014		4 YEAR AVERAGE 2014 - 2017		3 YEAR AVERAGE 2015 - 2017		2 YEAR AVERAGE 2016 - 2017	
		R		R		R		R		R		R		R
BUFFELS	-	-	-	-	8,06	22	7,27	19	-	-	-	-	-	-
DUZI	9,50	19	9,36	12	8,28	21	7,52	18	8,67	14	9,05	15	9,43	13
KOEDOES	9,19	20	-	-	9,25	11	-	-	-	-	-	-	-	-
KROKODIL	9,84	8	10,06	3	9,20	13	8,57	8	9,42	6	9,70	6	9,95	3
PAN 3400	9,72	13	10,12	1	9,90	1	8,51	10	9,56	2	9,91	1	9,92	4
PAN 3471	10,22	2	10,08	2	8,81	18	8,49	11	9,40	7	9,70	5	10,15	1
PAN 3489	-	-	-	-	-	-	8,58	7	-	-	-	-	-	-
PAN 3497	10,19	3	9,88	4	9,44	8	8,30	12	9,45	4	9,84	2	10,04	2
PAN 3515	10,42	1	9,15	14	9,18	14	8,69	6	9,36	9	9,58	9	9,78	8
PAN 3623	9,77	9	8,71	19	9,45	7	8,74	5	9,17	11	9,31	13	9,24	16
RENOSTER	9,52	17	-	-	8,90	16	-	-	-	-	-	-	-	-
SABIE	9,56	15	9,09	16	9,06	15	7,75	17	8,86	13	9,24	14	9,33	15
SST 806	9,91	6	9,76	5	9,70	3	8,90	3	9,57	1	9,79	3	9,84	6
SST 8125	-	-	9,56	9	9,74	2	-	-	-	-	-	-	-	-
SST 8134	-	-	-	-	9,31	10	-	-	-	-	-	-	-	-
SST 8135	10,08	5	9,63	7	9,55	5	-	-	-	-	9,75	4	9,86	5
SST 8154	9,73	12	8,95	18	-	-	-	-	-	-	-	-	9,34	14
SST 8155	-	-	9,13	15	-	-	-	-	-	-	-	-	-	-
SST 8156	9,76	10	-	-	-	-	-	-	-	-	-	-	-	-
SST 835	9,75	11	9,57	8	9,56	4	8,86	4	9,44	5	9,63	8	9,66	9
SST 843	9,50	18	7,62	20	8,02	23	7,97	15	8,28	15	8,38	16	8,56	17
SST 866	9,57	14	9,64	6	8,79	19	8,17	13	9,04	12	9,33	12	9,61	10
SST 867	-	-	-	-	8,53	20	8,10	14	-	-	-	-	-	-
SST 875	9,85	7	9,35	13	9,21	12	8,57	8	9,24	10	9,47	11	9,60	11
SST 877	-	-	9,09	17	8,83	17	7,96	16	-	-	-	-	-	-
SST 884	9,54	16	9,45	10	9,50	6	8,95	2	9,36	8	9,50	10	9,49	12
SST 895	10,14	4	9,45	10	9,32	9	9,01	1	9,48	3	9,64	7	9,79	7
MEAN	9,79	-	9,38	-	9,11	-	8,36	-	9,22	-	9,49	-	9,62	-
LSDt (0,05)	0,49	-	0,44	-	0,26	-	0,22	-	0,19	-	0,25	-	0,34	-

