

KULTIVAR

Evaluering 2025 Evaluation



Koring / Wheat

Besproeiing/Irrigation
Winterreënvalgebiede/Winter rainfall regions
Sommerreënvalgebiede/Summer rainfall regions

Kanola / Canola

Swarland
en/and Rûens

Maart/March
2026

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CULTIVAR SELECTION AND PLANTING DATE CRUCIAL for maximising dryland yield

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The National Wheat Cultivar Evaluation Programme (NWCEP) plays a critical role in supporting sustainable wheat production in South Africa by providing producers and policymakers with reliable, independent information on cultivar performance. In a production environment characterised by high climatic risk and increasing input costs, cultivar choice remains one of the most important management decisions a wheat producer can make.

South African producers currently have access to a wide range of wheat cultivars from several breeding companies. While many of these cultivars perform well under specific conditions, others fail to deliver consistent results across locations and seasons. Without independent, multi-location evaluation data from the NWCEP, producers are often forced to rely on speculation or limited on-farm experience when selecting cultivars.

The annual NWCEP results therefore play a key role in assisting producers to match cultivars to their local environments and planting windows, ultimately improving productivity, profitability, and long-term sustainability. This is especially important in drought-prone dryland wheat systems, such as those found across the Free State, where rainfall variability, heat stress, and planting date strongly influence yield outcomes.

In the Free State the 2025 wheat season was characterised by marked spatial and temporal rainfall variability. In the north-western Free State (Wesselsbron area), early-season conditions were particularly dry, with only 15 mm of rainfall recorded between March and May 2025. In contrast, the eastern Free State (Bethlehem area) received approximately 45 mm over the same period, resulting in more favourable establishment conditions.

Spring rainfall during October was generally better in the eastern Free State, while the north-western areas remained relatively dry. In addition to climatic challenges, red-billed quelea bird damage emerged as a growing constraint, posing a serious risk to yield where control measures were limited.

The 2025 dryland wheat cultivar evaluation trials

The 2025 dryland wheat cultivar evaluation programme consisted of twelve field trials, testing 15 cultivars from Syngenta Seeds, SA Seed Development (Corteva), and ARC-Small Grain. A new entry in the programme for the season was SST 3207.

Trials were conducted across both the north-western and eastern Free State under dryland conditions. Two trials at Bultfontein had to



An almost ripe field trial planted in the eastern Free State sub-region, Clocolan. (Photo: D du Plessis)



A field trial ready for harvesting in the eastern Free State, Clocolan. (Photo: D du Plessis)

CULTIVAR SELECTION AND...

1 NORTH-WESTERN FREE STATE (EARLIER PLANTING): AVERAGE YIELD (T/HA) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025.

CULTIVAR	2025*	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
ELANDS	1,99	12	3,02	7	0,92	5	2,64	3	2,14	6	1,97	8	2,50	8
KOUGAS	1,53	15	2,58	12	0,69	11	1,88	9	1,67	11	1,60	12	2,05	12
KUBETU	2,44	8	3,50	3	0,92	5	2,00	8	2,21	5	2,28	5	2,97	4
MATLABAS	3,17	3	4,12	1	1,14	4	2,62	4	2,76	1	2,81	1	3,64	1
MKUZE	3,09	4	3,48	4	1,15	2					2,57	2	3,29	2
MOKOLO	2,60	5	3,71	2	0,79	9	2,42	6	2,38	3	2,37	3	3,16	3
SAS 3161	2,49	6	3,11	6	1,17	1	2,71	2	2,37	4	2,26	6	2,80	6
SAS 3252	2,47	7												
SAS 3373	3,21	2	2,63	11	1,14	3	2,73	1	2,43	2	2,33	4	2,92	5
SENQU	1,98	13	2,63	10	0,69	10	2,45	5	1,94	8	1,77	11	2,31	11
SST 3197	2,17	9	3,21	5	0,89	7	2,23	7	2,12	7	2,09	7	2,69	7
SST 3207	3,23	1	-	-	-	-	-	-	-	-	-	-	-	-
SST 356	2,11	10	2,77	8	0,56	12	1,59	11	1,76	10	1,81	10	2,44	9
SST374	1,89	14	2,11	13	0,42	13	-	-	-	-	1,47	13	2,00	13
WEDZI	2,09	11	2,68	9	0,79	8	1,87	10	1,86	9	1,85	9	2,38	10
MEAN	2,43	-	3,04	-	0,87	-	2,23	-	2,15	-	2,09	-	2,70	-
LSD ₁ (0,05)	0,5	-	0,4	-	0,2	-	0,2	-	0,2	-	0,2	-	0,3	-

* Only Wesselsbron CS data

R = Ranking LSD = Least significant difference

be written off due to severe quelea bird damage. However, other trials were secured (Photo 1 and 2) and successfully protected using netting, ensuring reliable data from the rest of the trial network.

Results from the 2025 season once again highlighted the strong advantage of early planting, a trend that was also observed during the 2024 season. Across locations, early-planted wheat consistently out-yielded later plantings. Average grain yields for early plantings were 2,43 t/ha in the north-western Free State and 3,29 t/ha in the eastern Free State. However, yield performance varied substantially among cultivars and planting dates, with yields ranging from 1,27 t/ha to 3,89 t/ha. These differences clearly demonstrate the combined importance of cultivar selection and planting date in managing risk and maximising yield under dryland conditions.

The full yield results for the 2025/2026 season, together with two-, three- and four-year performance summaries for different regions

and planting windows, are presented in Tables 1 to 4. These longer-term datasets are particularly valuable for identifying cultivars that deliver stable performance across seasons, rather than relying on a single year's results.

Producers are strongly encouraged to consult the annual Wheat Production Guidelines published by the ARC-Small Grain. These guidelines combine current-season results with long-term performance data across production regions and planting dates, allowing producers to make informed, risk-aware cultivar decisions tailored to their local conditions.

The 2026 *Wheat Production Guidelines* will be available on the ARC website (www.arc.agric.za) from 1 March 2026. For further information or to request hard copies of the guidelines, producers can contact Dr Thobeka Khumalo-Mthembu at 058 307 3429 or KhumaloTP@arc.agric.za.



2 NORTH-WESTERN FREE STATE (LATER PLANTING) AVERAGE YIELD (T/HA) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025.

CULTIVAR	2025*	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
ELANDS	2,33	5	2,33	7	0,93	3	2,00	2	1,90	4	1,86	5	2,33	5
KOONAP	1,88	9	2,09	10	0,88	5	1,94	4	1,70	7	1,62	9	1,99	9
KOUGAS	1,27	13	2,15	9	0,78	10	1,37	10	1,39	11	1,40	11	1,71	11
KUBETU	2,69	1	2,56	3	0,80	8	1,57	7	1,90	3	2,02	3	2,62	2
SAS 3161	2,60	2	2,75	1	1,11	2	2,02	1	2,12	1	2,15	1	2,68	1
SAS 3252	2,11	6	-	-	-	-	-	-	-	-	-	-	-	-
SAS 3373	2,49	4	2,63	2	1,20	-	1,99	-	2,08	2	2,11	2	2,56	3
SENQU	1,96	8	2,23	8	0,93	3	1,89	5	1,75	6	1,60	10	2,09	7
SST3197	1,63	12	1,87	11	0,70	11	1,72	-	1,48	10	1,70	7	1,75	10
SST 356	2,53	3	2,38	5	0,88	5	1,39	9	1,79	5	1,93	4	2,45	4
SST 3207	1,97	7	-	-	-	-	-	-	-	-	-	-	-	-
SST 374	1,86	10	2,42	4	0,85	7	1,05	11	1,54	9	1,71	6	2,14	6
WEDZI	1,74	11	2,35	6	0,80	8	1,46	8	1,59	8	1,63	8	2,04	8
MEAN	2,08	-	2,34	-	0,90	-	1,67	-	1,75	-	1,79	-	2,21	-
LSD: (0,05)	0,3	-	0,3	-	0,2	-	0,2	-	0,1	-	0,2	-	0,3	-

* Data from two locations at Wesselsbron
R = Ranking LSD = Least significant difference

3 EASTERN FREE STATE (EARLIER PLANTING) AVERAGE YIELD (T/HA) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025.

CULTIVAR	2025	R	2024*	R	2023	R	2022**	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
ELANDS	2,73	14	2,89	8	1,77	11	1,63	11	2,25	11	2,46	12	2,81	12
KOUGAS	3,27	9	2,64	11	1,93	5	1,90	9	2,43	8	2,61	9	2,95	9
KUBETU	3,40	8	3,02	6	1,76	12	2,28	4	2,61	6	2,72	6	3,21	4
MATLABAS	3,61	5	3,39	1	2,04	2	3,07	2	3,03	1	3,01	2	3,50	1
MKUZE	3,63	4	3,36	2	2,01	3	-	-	-	-	3,00	3	3,49	2
MOKOLO	3,84	1	3,00	7	1,98	4	2,26	5	2,77	4	2,94	4	3,42	3
SAS 3161	3,11	11	3,15	4	2,10	1	2,31	3	2,67	5	2,79	5	3,13	5
SAS 3252	3,83	2	-	-	-	-	-	-	-	-	-	-	-	-
SAS 3373	3,17	10	2,52	12	1,92	6	1,92	8	2,38	9	2,54	10	2,85	11
SENQU	2,94	13	2,81	9	1,84	8	1,72	10	2,33	10	2,53	11	2,87	10
SST 3197	3,42	7	2,67	10	1,87	7	3,34	1	2,82	3	2,65	8	3,04	8
SST 3207	3,45	6	-	-	-	-	-	-	-	-	-	-	-	-
SST 356	3,71	3	2,51	13	1,64	13	2,07	6	2,96	3	3,02	1	3,11	7
SST374	2,21	15	3,06	5	1,80	9	-	-	-	-	2,36	13	2,64	13
WEDZI	3,07	12	3,19	3	1,78	10	1,94	7	2,49	7	2,68	7	3,13	6
MEAN	3,29	-	2,94	-	1,88	-	2,25	-	2,61	-	2,72	-	3,09	-
LSD: (0,05)	0,3	-	0,4	-	0,2	-	0,3	-	0,2	-	0,2	-	0,3	-

* Only Clocolan data

** Only Clarens data

R = Ranking LSD = Least significant difference

← CULTIVAR SELECTION AND...

4 EASTERN FREE STATE (LATER PLANTING) AVERAGE YIELD (T/HA) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025.

CULTIVAR	2025	R	2024*	R	2023	R	2022**	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
ELANDS	2,99	8	2,22	5	2,08	4	2,69	6	2,49	4	2,43	4	2,60	4
KOONAP	2,78	12	2,25	3	1,91	7	1,98	11	2,23	10	2,31	6	2,52	6
KOUGAS	2,81	11	1,87	9	1,58	11	2,40	9	2,16	11	2,09	10	2,34	10
KUBETU	3,16	6	2,22	4	1,99	5	3,05	1	2,61	2	2,46	2	2,69	2
SAS 3161	3,27	5	2,58	1	2,17	1	2,83	3	2,71	1	2,67	1	2,93	1
SAS 3252	3,77	1	-	-	-	-	-	-	-	-	-	-	-	-
SAS 3373	3,05	7	2,08	6	2,17	1	2,42	-	2,43	5	2,44	3	2,57	5
SENQU	2,93	10	2,06	7	1,76	9	2,62	7	2,34	7	2,25	8	2,50	7
SST3197	3,41	4	0,80	11	1,93	6	2,79	4	2,23	8	2,05	11	2,10	11
SST 3207	3,56	2	-	-	-	-	-	-	-	-	-	-	-	-
SST356	3,53	3	1,82	10	1,79	8	2,92	2	2,51	3	2,38	5	2,67	3
SST374	2,25	13	2,44	2	2,09	3	2,15	10	2,23	9	2,26	7	2,34	9
WEDZI	2,96	9	2,01	8	1,73	10	2,73	5	2,36	6	2,23	9	2,48	8
MEAN	3,11	-	2,03	-	1,93	-	2,63	-	2,39	-	2,32	-	2,52	-
LSD _t (0,05)	0,5	-	0,3	-	0,2	-	0,5	-	0,2	-	0,2	-	0,3	-

* Only Clocolan data

** Only Clarens data

R = Ranking LSD = Least significant difference



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- SST 0166
- SST 0147
- SST 0117
- SST 056
- SST 015

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New entries performed well UNDER IRRIGATION



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Irrigation wheat in South Africa accounts for roughly 20 to 25% of the country's total wheat production. This production system is mainly dominated by the high-yielding areas in the Northern Cape (cooler central) and the Free State (Highveld). Other production zones include the North West and Limpopo provinces (warmer northern irrigation areas) and the KwaZulu-Natal irrigation areas.

High potential yield of up to 10 t/ha can be achieved from irrigated wheat depending on cultivar choice, location, and planting window. The National Wheat Cultivar Evaluation Programme therefore plays a significant role in evaluating the agronomic performance and adaptability of various wheat cultivars from the breeding institutions across the country to enable wheat producers to make an informed decision on cultivar choice for their specific localities and planting window.

The 2025 weather conditions were suboptimal in all irrigation areas during plant growth and development. Drought conditions were experienced at the critical grain-filling growth stage, followed by high rainfall during harvesting, which delayed harvesting and increased the risk of pre-harvest sprouting. Collectively, these unfavourable weather conditions had a negative impact on yield and grain quality.

2025 irrigation wheat cultivar evaluation trials

A total of 21 field trials were conducted for the 2025 irrigation wheat cultivar evaluation programme. This included two trials planted in KwaZulu-Natal; five in the Highveld sub-region; six in the warmer northern irrigation areas; and eight trials in the cooler central irrigation areas.



A wheat evaluation trial in Groot Marico in the North West (warmer northern irrigation area). (Photo: D du Plessis)

Both earlier and later plantings were conducted in the three sub-regions, except for KwaZulu-Natal due to the narrow planting window there.

Agricol, ARC-Small Grain, Limagrain, SA Seed Development and Syngenta Seeds contributed 21 entries for the 2025 programme. The new entries were IS Tordo, LG Gemsbok, SST 8236, and SST 8237.

All evaluation trials were successfully harvested and included for data analysis (Photo 1 and 2), except for one trial in the warmer northern irrigation area (Brits), which was written off due to the occurrence of pre-harvest sprouting.



The National Wheat Cultivar Evaluation Programme therefore plays a significant role in evaluating the agronomic performance and adaptability of various wheat cultivars

Acceptable yields were recorded for the 2025 season despite the unfavourable weather conditions and the technical challenges encountered. There was a higher yield in the Highveld and the warmer northern irrigation areas compared to the 2024 results. However, the yield was significantly lower in the cooler central irrigation area, especially with the earlier planting. The 2025 season yield results (7,95 t/ha for the earlier planting and 9,08 t/ha for the later planting) were below the 10 t/ha mark recorded in 2024.

Moreover, higher yields were observed with early compared to late planting. In the Highveld irrigation area, an acceptable average yield of 6,30 t/ha was recorded with the early planting compared to 4,54 t/ha achieved with the late planting. Likewise, a high yield of 8,12 t/ha was recorded with the early planting contrasted to 7,07 t/ha obtained with the late planting in the warmer northern irrigation area.

It is important to note that cultivars performed differently for yield across localities and planting dates, highlighting the combined importance of cultivar choice, location, and planting date in managing risk and maximising yield under irrigation conditions.

Furthermore, consistently higher yields were observed with the new cultivars for the 2025 programme – IS Tordo, LG Gemsbok, SST 8236, and SST 8237. This indicated wide adaptation of these cultivars under the irrigation conditions. It also showed that wheat producers have a pool of cultivars to choose from depending on their location and planting date.

The average yields obtained from the 2025 evaluation trials, as well as the two-, three- and four-year results for each irrigation sub-region and planting date are presented in Tables 1 to 7. Producers can use this information to select cultivars that show stable performance across seasons and are best suited for their production regions and desired planting dates.

More detailed information on the performance of irrigation wheat cultivars is published annually by the ARC-Small Grain in the *Wheat Production Guidelines*. The 2026 *Wheat Production Guidelines* will be made available on the ARC website (www.arc.agric.za) from 1 March 2026. Producers who need more information or want to request hard copies of the guidelines can contact Dr Thobeka Khumalo-Mthembu at 058 307 3429 or KhumaloTP@arc.agric.za. ➔

NEW ENTRIES PERFORMED...

1 KWAZULU-NATAL IRRIGATION AREA: AVERAGE YIELD (T/HA) OF ENTRIES FROM THE PERIOD 2022 TO 2025.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
DUZI	3,22	19	5,08	9	6,17	11	5,91	1	5,10	6	4,82	13	4,15	15
IS TORDO	6,04	1	-	-	-	-	-	-	-	-	-	-	-	-
KOEDOES	3,68	17	3,53	17	4,85	15	5,58	4	4,41	10	4,02	14	3,60	16
KROKODIL	3,83	16	4,57	13	6,66	5	5,22	9	5,07	8	5,02	9	4,20	14
LG AFICION	5,28	3	5,81	5	6,23	10	-	-	-	-	5,77	2	5,54	2
LG ANCIA	4,69	10	5,71	6	-	-	-	-	-	-	-	-	5,20	3
LG GEMSBOK	4,98	5	-	-	-	-	-	-	-	-	-	-	-	-
RENOSTER	4,15	14	5,03	10	5,85	12	5,30	8	5,08	7	5,01	10	4,59	10
SAS 3497	3,20	20	6,31	2	5,02	14	4,11	10	4,66	9	4,84	12	4,75	9
SAS 3584	4,00	15	5,53	7	5,70	13	-	-	-	-	5,08	8	4,76	8
SAS 3681	3,62	18	6,00	3	7,00	3	-	-	-	-	-	-	4,81	6
SELONS	1,95	21	4,55	14	4,20	16	3,66	11	3,59	11	3,57	15	3,25	17
SST 8135	4,86	8	5,46	8	6,81	4	5,82	3	5,74	2	5,71	3	5,16	4
SST 8154	4,85	9	4,69	11	7,01	2	5,35	7	5,48	3	5,52	5	4,77	7
SST 8205	4,94	6	4,10	16	6,35	8	-	-	-	-	5,13	7	4,52	11
SST 8227	4,32	13	5,98	4	6,40	7	-	-	-	-	5,57	4	5,15	5
SST 8236	5,62	2	-	-	-	-	-	-	-	-	-	-	-	-
SST 8237	4,91	7	-	-	-	-	-	-	-	-	-	-	-	-
SST 884	4,34	12	4,66	12	6,65	6	5,55	5	5,30	4	5,22	6	4,50	12
UMGENI	4,41	11	4,30	15	6,31	9	5,43	6	5,11	5	5,00	11	4,35	13
USUTU	5,01	4	6,94	1	7,47	1	5,83	2	6,31	1	6,47	1	5,97	1
MEAN	4,37	-	5,19	-	6,17	-	5,25	-	5,08	-	5,12	-	4,66	-
LSD _i (0,05)	0,4	-	0,8	-	0,6	-	0,7	-	0,3	-	0,4	-	0,4	-

R = Ranking LSD = Least significant difference

2 HIGHVELD IRRIGATION AREA (EARLIER PLANTING): AVERAGE YIELD (T/HA) OF ENTRIES FROM THE PERIOD 2022 TO 2025.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
DUZI	6,03	15	5,65	14	5,05	14	4,80	10	5,38	9	5,58	14	5,84	14
IS TORDO	7,14	1	-	-	-	-	-	-	-	-	-	-	-	-
KOEDOES	6,08	14	5,46	17	5,25	11	4,78	11	5,39	8	5,60	13	5,77	16
KROKODIL	6,39	9	6,84	2	5,36	9	5,35	7	5,98	3	6,20	5	6,61	4
LG AFICION	6,46	7	6,34	8	5,50	8	-	-	-	-	6,10	6	6,40	6
LG ANCIA	6,02	16	6,82	3	-	-	-	-	-	-	-	-	6,42	5
LG GEMSBOK	6,89	3	-	-	-	-	-	-	-	-	-	-	-	-
RENOSTER	6,19	12	6,14	10	5,52	7	5,07	9	5,73	7	5,95	8	6,17	9
SAS 3497	5,62	21	5,58	15	4,78	15	5,43	6	5,35	10	5,33	16	5,60	17
SAS 3584	5,92	18	5,78	12	5,26	10	-	-	-	-	5,65	-	5,85	13
SAS 3681	6,00	17	6,42	7	5,23	12	-	-	-	-	5,88	-	6,21	8
SELONS	5,83	20	5,78	13	4,64	16	5,14	8	5,35	11	5,42	15	5,80	15
SST 8135	6,41	8	6,27	9	6,17	1	5,58	5	6,11	2	6,28	3	6,34	7
SST 8154	5,85	19	6,48	6	5,80	5	5,58	4	5,93	4	6,04	7	6,16	10
SST 8205	6,98	2	6,58	5	6,02	2	-	-	-	-	6,52	-	6,78	1
SST 8227	6,67	4	6,79	4	6,01	3	-	-	-	-	6,49	-	6,73	3
SST 8236	6,30	10	-	-	-	-	-	-	-	-	-	-	-	-
SST 8237	6,56	6	-	-	-	-	-	-	-	-	-	-	-	-
SST 884	6,24	11	5,52	16	5,87	4	5,90	2	5,88	6	5,88	10	5,88	12
UMGENI	6,18	13	5,92	11	5,53	6	6,01	1	5,91	5	5,88	11	6,05	11
USUTU	6,60	5	6,92	1	5,20	13	5,77	3	6,12	1	6,24	4	6,76	2
MEAN	6,30	-	6,19	-	5,45	-	5,47	-	5,74	-	5,94	-	6,20	-
LSD _i (0,05)	0,5	-	0,7	-	0,5	-	0,7	-	0,4	-	0,3	-	0,4	-

R = Ranking LSD = Least significant difference

3 HIGHVELD IRRIGATION AREA (LATER PLANTING): AVERAGE YIELD (T/HA) OF ENTRIES FROM THE 2025 SEASON.

CULTIVAR	2025*	R
DUZI	3,68	21
IS TORDO	4,84	6
KOEDOES	4,86	5
KROKODIL	5,24	1
LG AFICION	4,71	9
LG ANCIA	4,07	18
LG GEMSBOK	4,33	16
RENOSTER	4,79	7
SAS 3497	4,58	12
SAS 3584	4,20	17
SAS 3681	4,50	13
SELONS	3,89	19
SST 8135	5,12	2
SST 8154	4,99	3
SST 8205	4,46	14
SST 8227	4,66	11
SST 8236	3,81	20
SST 8237	4,90	4
SST 884	4,76	8
UMGENI	4,41	15
USUTU	4,67	10
MEAN	4,54	-
LSD: (0,05)	0,4	-

* First successful later planting since 2022

R = Ranking LSD = Least significant difference



4 WARMER NORTHERN IRRIGATION AREA (EARLIER PLANTING): AVERAGE YIELD (T/HA) OF ENTRIES FROM THE PERIOD 2022 TO 2025.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
DUZI	7,86	14	7,30	17	6,71	9	9,02	3	7,72	7	7,29	12	7,58	14
IS TORDO	7,68	18	-	-	-	-	-	-	-	-	-	-	-	-
KOEDOES	8,66	4	7,94	5	6,84	7	8,39	10	7,96	3	7,81	2	8,30	3
KROKODIL	7,98	12	7,43	14	7,02	2	8,63	5	7,76	6	7,48	9	7,71	13
LG AFICION	8,31	7	7,50	13	6,08	13	-	-	-	-	7,30	11	7,91	9
LG ANCIA	9,11	1	7,62	12	-	-	-	-	-	-	-	-	8,36	2
LG GEMSBOK	8,39	6	-	-	-	-	-	-	-	-	-	-	-	-
RENOSTER	7,75	17	8,04	4	6,83	8	8,55	7	-	-	7,54	8	7,89	10
SAS 3497	7,77	16	7,30	16	5,52	16	9,14	2	7,43	8	6,87	16	7,54	15
SAS 3584	7,80	15	7,76	10	6,70	10	-	-	-	-	7,42	10	7,78	11
SAS 3681	7,67	19	7,83	9	5,96	14	-	-	-	-	7,15	14	7,75	12
SELONS	7,38	20	7,68	11	5,92	15	8,43	8	7,35	10	6,99	15	7,53	16
SST 8135	7,94	13	8,19	2	6,95	3	8,42	9	7,88	4	7,69	4	8,06	7
SST 8154	8,20	10	8,19	3	6,32	12	8,58	6	7,82	5	7,57	6	8,19	4
SST 8205	8,25	9	7,94	6	6,91	5	-	-	-	-	7,70	3	8,09	5
SST 8227	8,27	8	7,86	8	6,57	11	-	-	-	-	7,57	6	8,07	6
SST 8236	8,42	5	-	-	-	-	-	-	-	-	-	-	-	-
SST 8237	8,98	2	-	-	-	-	-	-	-	-	-	-	-	-
SST 884	8,66	3	8,23	1	7,10	1	8,74	4	8,18	1	8,00	1	8,44	1
UMGENI	7,33	21	7,35	15	6,86	6	8,11	11	7,41	9	7,18	13	7,34	17
USUTU	8,11	11	7,86	7	6,93	4	9,16	1	8,01	2	7,63	5	7,98	8
MEAN	8,12	-	7,77	-	6,57	-	8,71	-	7,75	-	7,45	-	7,91	-
LSD: (0,05)	0,6	-	0,5	-	0,5	-	0,3	-	0,3	-	0,3	-	0,4	-

R = Ranking LSD = Least significant difference

NEW ENTRIES PERFORMED...

5 WARMER NORTHERN IRRIGATION AREA (LATER PLANTING): AVERAGE YIELD (T/HA) OF ENTRIES FROM THE 2022 AND 2025.

CULTIVAR	2025	R	2022	R	AVERAGE OF 2022 AND 2025	R
DUZI	6,75	18	7,81	1	7,28	6
IS TORDO	7,11	11	-	-	-	-
KOEDOES	6,82	17	6,96	9	6,89	10
KROKODIL	6,47	19	7,08	8	6,77	11
LG AFICION	7,55	3	-	-	-	-
LG ANCIA	7,28	8	-	-	-	-
LG GEMSBOK	5,99	21	-	-	-	-
RENOSTER	7,29	6	7,17	7	7,23	7
SAS 3497	6,95	15	6,04	12	6,49	12
SAS 3584	6,86	16	-	-	-	-
SAS 3681	7,05	14	-	-	-	-
SELONS	7,07	12	6,88	10	6,98	9
SST 8135	7,29	6	6,78	11	7,04	8
SST 8154	7,60	2	7,36	5	7,48	4
SST 8205	7,23	10	7,74	3	7,48	3
SST 8227	7,77	1	-	-	-	-
SST 8236	7,06	13	-	-	-	-
SST 8237	6,22	20	-	-	-	-
SST 884	7,31	5	7,75	2	7,53	1
UMGENI	7,27	9	7,30	6	7,28	5
USUTU	7,54	4	7,50	4	7,52	2
MEAN	7,07	-	7,12	-	7,16	-
LSD: (0,05)	0,21	-	0,12	-	-	-

R = Ranking LSD = Least significant difference

6 COOLER CENTRAL IRRIGATION AREA (EARLIER PLANTING): AVERAGE YIELD (T/HA) OF ENTRIES FROM THE PERIOD 2022 TO 2025.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
DUZI	7,51	12	10,37	10	9,15	4	6,95	10	8,49	5	9,01	10	8,94	11
IS TORDO	9,71	1	-	-	-	-	-	-	-	-	-	-	-	-
KOEDOES	6,54	21	7,84	17	8,70	14	7,87	4	7,74	11	7,69	15	7,19	17
KROKODIL	7,50	13	10,09	13	9,31	2	6,82	11	8,43	6	8,97	11	8,80	12
LG AFICION	8,47	8	11,03	6	8,82	2	-	-	-	-	9,44	5	9,75	5
LG ANCIA	8,47	7	10,33	11	-	-	-	-	-	-	-	-	9,40	8
LG GEMSBOK	8,28	9	-	-	-	-	-	-	-	-	-	-	-	-
RENOSTER	7,35	16	8,21	16	8,82	9	8,06	2	8,11	10	-	-	7,78	16
SAS 3497	8,60	6	10,76	9	8,47	16	7,68	6	8,88	2	9,28	6	9,68	6
SAS 3584	9,34	2	11,69	3	9,04	6	-	-	-	-	10,02	1	10,52	1
SAS 3681	8,68	5	11,53	4	9,07	5	-	-	-	-	9,76	4	10,10	4
SELONS	8,09	10	10,81	8	8,77	13	8,53	1	8,86	3	9,14	8	9,45	7
SST 8135	7,377	15	11,05	5	8,81	11	7,31	9	8,81	4	9,08	9	9,21	9
SST 8154	7,15	17	9,05	15	8,95	7	7,46	7	8,15	9	8,38	14	8,10	15
SST 8205	7,46	14	10,89	7	9,34	1	-	-	-	-	9,23	7	9,18	10
SST 8227	9,26	3	11,72	2	8,81	11	-	-	-	-	9,93	2	10,49	2
SST 8236	6,94	18	-	-	-	-	-	-	-	-	-	-	-	-
SST 8237	7,86	11	-	-	-	-	-	-	-	-	-	-	-	-
SST 884	6,72	20	9,90	14	8,89	8	7,33	8	8,21	8	8,50	13	8,31	14
UMGENI	6,88	19	10,13	12	8,66	15	7,93	3	8,36	7	8,56	12	8,51	13
USUTU	8,70	4	11,78	1	9,26	3	7,82	5	8,93	1	9,91	3	10,24	3
MEAN	7,95	-	10,42	-	8,93	-	7,61	-	8,45	-	9,13	-	9,16	-
LSD: (0,05)	0,5	-	0,7	-	0,6	-	1,0	-	0,5	-	0,4	-	0,4	-

R = Ranking LSD = Least significant difference

**7 COOLER CENTRAL IRRIGATION AREA (LATER PLANTING):
AVERAGE YIELD (T/HA) OF ENTRIES FROM THE PERIOD 2022 TO 2025.**

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
DUZI	8,16	20	9,91	12	5,89	8	7,16	11	7,78	10	7,98	13	9,03	16
IS TORDO	10,30	1	-	-	-	-	-	-	-	-	-	-	-	-
KOEDOES	8,75	16	9,37	17	6,24	1	7,28	10	7,91	9	8,12	12	9,06	15
KROKODIL	8,51	19	9,73	16	4,82	15	7,85	9	7,73	11	7,69	16	9,12	14
LG AFICION	8,91	15	10,21	9	5,58	11	-	-	-	-	8,23	9	9,56	11
LG ANCIA	9,61	3	10,13	10	-	-	-	-	-	-	-	-	9,87	4
LG GEMSBOK	9,03	12	-	-	-	-	-	-	-	-	-	-	-	-
RENOSTER	8,99	13	9,79	15	6,21	2	8,84	4	8,46	4	8,33	7	9,39	12
SAS 3497	9,17	8	10,77	2	4,88	14	8,79	5	8,40	5	8,27	8	9,97	3
SAS 3584	9,60	4	10,85	1	5,67	9	-	-	-	-	8,70	1	10,22	1
SAS 3681	8,94	14	10,65	4	4,99	13	-	-	-	-	8,19	10	9,79	6
SELONS	8,55	18	10,75	3	4,47	16	8,44	7	8,05	7	7,92	14	9,65	10
SST 8135	9,07	11	10,27	7	5,91	7	9,07	2	8,58	2	8,42	5	9,67	9
SST 8154	8,70	17	9,84	14	5,98	4	8,29	8	8,20	6	8,17	11	9,27	13
SST 8205	9,08	10	10,62	5	6,06	3	-	-	-	-	8,59	3	9,85	5
SST 8227	9,57	5	10,59	6	5,91	6	-	-	-	-	8,69	2	10,08	2
SST 8236	9,12	9	-	-	-	-	-	-	-	-	-	-	-	-
SST 8237	9,79	2	-	-	-	-	-	-	-	-	-	-	-	-
SST 884	9,54	6	9,89	13	5,59	10	9,03	3	8,51	3	8,34	6	9,72	8
UMGENI	8,03	21	10,04	11	5,39	12	8,46	6	7,98	8	7,82	15	9,03	17
USUTU	9,25	7	10,24	8	5,97	5	10,31	1	8,94	1	8,49	4	9,75	7
MEAN	9,08	-	10,21	-	5,60	-	8,62	-	8,23	-	8,25	-	9,59	-
LSD: (0,05)	0,4	-	0,5	-	0,6	-	1,0	-	0,3	-	0,3	-	0,4	-

R = Ranking LSD = Least significant difference



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Ons help jou groei



Resilient cultivar options available FOR THE WESTERN CAPE



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Identification of climate-resilient wheat cultivars remains crucial amid climate change. The National Wheat Cultivar Evaluation Programme is instrumental in the identification and development of climate-resilient and high-yielding wheat cultivars adaptable to each of the three production regions of South Africa. The programme therefore remains essential in safeguarding the country's wheat production by assisting producers to make the right cultivar choice for their respective production regions, limiting production risks and maximising profits.

Two distinct regions are used for cultivar evaluations in the winter rainfall region. The Swartland region generally receives lower rainfall compared to the Rûens region; therefore, the two regions vary in wheat performance results.

The 2025 season was marked by drought conditions during the critical late growth stages. The lower than expected rainfall received between August and November tested the resilience of both well established and new cultivars for the 2025 programme. However, good yields were obtained despite these unfavourable weather conditions in both the Swartland and Rûens areas.

The 2025 winter rainfall wheat cultivar evaluation trials

The 2025 programme featured a total of 25 trials, evaluating 21 cultivars supplied by ARC-Small Grain, Syngenta Seeds, SA Seed Development, Limagrain, and Agricol. Thirteen trials were planted in the Swartland region while twelve were planted in the Rûens region.

2025's cultivar evaluation results demonstrated a remarkable resilience of wheat cultivars in the Swartland area with an average yield of 4,36 t/ha despite the drier growing conditions from August onwards. This marks a yield increase from 3,25 t/ha achieved in the 2024 season. LG Albatros emerged as the top performer with an average yield of 4,62 t/ha in the Swartland region during its first year of inclusion in the programme. The second-best performer was SAS 3855, which delivered an average yield of 4,59 t/ha, followed by SST 0147 with an average yield of 4,56 t/ha (**Table 1**).

When looking at the quality parameters for the Swartland region, an excellent average hectolitre mass of 79,2 kg/hl was achieved despite the drought stress experienced during the growing season. SAS 3774 was the top performer with an average of 81,3 kg/hl, followed by SAS 3855 with an average of 81 kg/hl, and LG Fisant with an average of 80,3 kg/hl (**Table 2**).

The average protein content of the region was 11,4%, which was slightly higher than the 11,2% recorded in the previous season (2024). Ratel topped the protein rankings with 12,1%, followed by SST 0127, LG Aficion and IS Tordo, which all had an average score of 11,7% protein (**Table 3**).

In the Rûens area the impact of the late season drought was more evident compared to the Swartland. This was shown by the lower average yield (3,51 t/ha) recorded for the region compared to the Swartland region (4,36 t/ha). Moreover, the 2025 average yield of 3,51 t/ha was significantly lower than the 3,69 t/ha achieved in the 2024 season. The new cultivar IS Tordo was the best performer for the region with an average yield of 4,08 t/ha. SST 0166 followed in second place with an average yield of 3,89 t/ha and LG Albatros claimed the third place with an average yield of 3,88 t/ha (**Table 4**).

Despite the yield reduction, grain quality remained impressive in the Rûens with an average hectolitre mass of 80,1 kg/hl, exceeding the 2024 average of 78,3 kg/hl. SAS 3774 was the top performer for the region in 2025 with an average hectolitre mass of 82 kg/hl, followed by SAS 3855 with 81,7 kg/hl and LG Albatros with 81 kg/hl (**Table 5**).

The average protein content for the region was 10,3%, which was slightly below the 10,4% recorded in 2024. This lower protein content suggested that grain filling was less compromised than nitrogen uptake, meaning that the plant did a better job filling the seed rather than increasing the protein content of the seed. Ratel had the highest protein content of 11,1%, followed by LG Ancia and Tredou, both with a protein content of 10,9% (**Table 6**).

The 2025 season results clearly illustrate the different production capabilities and stress responses between the Swartland and the Rûens region. The Swartland maintained an average yield advantage of 0,85 t/ha over the Rûens (4,36 versus 3,51 t/ha), a gap that widened considerably in recent years due to the Rûens' greater susceptibility to droughts during critical plant growth stages.

Tables 1 to 6 give detailed yield and quality results for the 2025 season together with the two-, three- and four-year performance summaries for the different regions. Wheat producers are encouraged to evaluate multiple seasons' data and their local conditions when choosing cultivars for their operations.

More information about multi-year data can be obtained in the 2026 *Wheat Production Guidelines*, which will be available on the ARC website (www.arc.agric.za) from 1 March 2026. For further information or to request hard copies of the guidelines, producers can contact Petrus Delpoit via email at DelpoitP@arc.agric.za.

1



A wheat evaluation trial at Moorreesburg, Swartland in the Western Cape (dryland winter rainfall region). (Photo: P Delpoit)

2



Combined monitoring and evaluation is done by die Department of Agriculture and the Agricultural Research Council. (Photo: P Delpoit)

1 AVERAGE YIELD (T/HA) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025 FOR THE COMBINED SWARTLAND.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
IS TORDO	4,3	15	-	-	-	-	-	-	-	-	-	-	-	-
LG AFICION	4,42	8	3,09	15	-	-	-	-	-	-	-	-	3,76	12
LG ALBATROS	4,62	1	-	-	-	-	-	-	-	-	-	-	-	-
LG ANCIA	4,43	7	3,39	4	-	-	-	-	-	-	-	-	3,91	5
LG FISANT	4,36	11	-	-	-	-	-	-	-	-	-	-	-	-
RATEL	4,12	20	3,10	14	3,78	11	2,85	15	3,46	14	3,67	14	3,61	16
SAS 3774	4,47	5	3,24	10	3,95	7	3,31	5	3,74	5	3,89	7	3,86	7
SAS 3783	4,40	10	3,12	13	4,10	2	3,02	13	3,66	9	3,87	8	3,76	11
SAS 3855	4,59	2	3,32	8	3,78	11	3,17	10	3,72	7	3,90	5	3,96	2
SAS 3976	4,26	17	2,96	18	3,78	11	3,05	12	3,51	13	3,67	14	3,61	17
SST 0117	4,34	12	3,08	16	4,00	5	3,44	2	3,72	7	3,81	10	3,71	14
SST 0127	4,22	18	3,26	9	4,23	1	3,31	5	3,76	4	3,90	4	3,74	13
SST 0147	4,56	3	3,15	12	3,91	9	3,42	3	3,76	3	3,87	9	3,86	8
SST 015	4,28	16	3,40	3	3,74	14	3,06	11	3,62	10	3,81	10	3,84	9
SST 0166	4,50	4	3,37	6	4,10	2	3,42	3	3,85	2	3,99	2	3,94	4
SST 0187	4,47	5	3,46	2	3,97	6	3,51	1	3,85	1	3,97	3	3,97	1
SST 0208	4,41	9	3,49	1	4,10	2	-	-	-	-	4,00	1	3,95	3
SST 056	4,33	13	3,39	4	3,95	7	3,27	7	3,74	6	3,89	6	3,86	6
SST 087	4,15	19	3,20	11	3,87	10	3,21	8	3,61	11	3,74	12	3,68	15
STEENBOK	4,31	14	3,36	7	3,42	16	3,21	8	3,58	12	3,70	13	3,84	10
TREDOU	4,06	21	3,08	16	3,69	15	2,99	14	3,46	15	3,61	16	3,57	18
MEAN	4,36	-	3,25	-	3,90	-	3,22	-	3,67	-	3,83	-	3,80	-
LSD _t (0,05)	0,1	-	0,1	-	0,1	-	0,1	-	0,1	-	0,1	-	0,1	-

R = Ranking LSD = Least significant difference

2 AVERAGE HECTOLITRE MASS (KG/HL) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025 FOR THE COMBINED SWARTLAND.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
IS TORDO	77,4	20	-	-	-	-	-	-	-	-	-	-	-	-
LG AFICION	80,1	5	79,4	6	-	-	-	-	-	-	-	-	79,8	6
LG ALBATROS	79,0	13	-	-	-	-	-	-	-	-	-	-	-	-
LG ANCIA	77,2	21	77,3	17	-	-	-	-	-	-	-	-	77,3	17
LG FISANT	80,3	3	-	-	-	-	-	-	-	-	-	-	-	-
RATEL	79,7	9	78,4	15	80,8	10	79,7	8	79,6	9	79,6	9	79,1	9
SAS 3774	81,3	1	80,3	2	82,8	2	81,4	1	81,4	1	81,5	1	80,8	2
SAS 3783	80,1	5	79,9	3	83,2	1	80,2	6	80,8	3	81,1	3	80,0	3
SAS 3855	81,0	2	80,8	1	82,3	3	81,0	2	81,3	2	81,4	2	80,9	1
SAS 3976	80,3	3	79,4	5	82,2	4	80,9	3	80,7	4	80,6	4	79,9	4
SST 0117	79,1	12	78,5	12	80,6	13	79,5	11	79,4	10	79,4	10	78,8	11
SST 0127	78,6	14	78,9	8	80,4	15	79,0	13	79,2	12	79,3	12	78,8	12
SST 0147	79,4	10	78,8	10	81,2	6	80,1	7	79,9	7	79,8	7	79,1	8
SST 015	79,8	8	79,4	7	81,2	7	80,5	4	80,2	5	80,1	5	79,6	7
SST 0166	78,5	15	78,8	11	80,9	9	79,5	10	79,4	11	79,4	11	78,6	13
SST 0187	77,5	19	77,0	18	80,4	14	77,8	15	78,2	15	78,3	16	77,2	18
SST 0208	78,0	17	77,4	16	80,2	16	-	-	-	-	78,5	15	77,7	16
SST 056	79,4	10	78,4	14	81,2	5	79,7	8	79,7	8	79,7	8	78,9	10
SST 087	78,4	16	78,9	9	80,7	12	78,8	14	79,2	13	79,3	13	78,6	13
STEENBOK	79,9	7	79,6	4	80,8	10	80,3	5	80,1	6	80,1	6	79,8	5
TREDOU	77,8	18	78,5	13	81,1	8	79,0	12	79,1	14	79,1	14	78,1	15
MEAN	79,2	-	78,9	-	81,2	-	79,8	-	79,9	-	79,8	-	79,0	-
LSD _t (0,05)	0,5	-	0,7	-	0,3	-	0,5	-	0,3	-	0,3	-	0,4	-

R = Ranking LSD = Least significant difference

RESILIENT CULTIVAR OPTIONS...

3 AVERAGE PROTEIN CONTENT (%) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025 FOR THE COMBINED SWARTLAND.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
IS TORDO	11,7	2	-	-	-	-	-	-	-	-	-	-	-	-
LG AFICION	11,7	2	11,6	1	-	-	-	-	-	-	-	-	11,7	2
LG ALBATROS	11,0	19	-	-	-	-	-	-	-	-	-	-	-	-
LG ANCIA	11,6	5	11,3	5	-	-	-	-	-	-	-	-	11,4	4
LG FISANT	11,4	10	-	-	-	-	-	-	-	-	-	-	-	-
RATEL	12,1	1	11,3	5	12,0	5	14,7	1	12,5	1	11,8	1	11,7	1
SAS 3774	11,1	14	11,3	4	11,6	12	13,6	13	11,9	13	11,3	12	11,2	11
SAS 3783	10,9	20	11,1	14	12,3	2	13,5	14	11,9	11	11,4	9	11,0	17
SAS 3855	11,6	5	11,1	12	12,5	1	14,2	4	12,3	3	11,7	2	11,3	7
SAS 3976	10,8	21	10,9	18	11,9	7	13,2	15	11,7	15	11,2	15	10,8	18
SST 0117	11,6	5	11,1	13	11,8	10	13,9	10	12,1	7	11,5	7	11,3	8
SST 0127	11,7	2	11,4	2	11,9	7	14,5	2	12,4	2	11,7	3	11,6	3
SST 0147	11,1	14	11,2	8	11,4	15	13,9	11	11,9	12	11,2	14	11,1	14
SST 015	11,3	12	11,2	9	12,1	4	14,1	6	12,2	5	11,5	4	11,2	10
SST 0166	11,1	14	11,0	17	11,5	13	14,0	9	11,9	14	11,2	16	11,0	16
SST 0187	11,1	14	11,1	10	12,2	3	13,8	12	12,1	8	11,5	8	11,1	15
SST 0208	11,3	12	11,0	15	11,8	9	-	-	-	-	11,4	10	11,2	13
SST 056	11,1	14	11,3	7	11,5	14	14,2	5	12,0	10	11,3	13	11,2	12
SST 087	11,6	5	11,1	11	11,4	16	14,1	6	12,1	9	11,4	11	11,4	6
STEENBOK	11,5	9	11,0	15	12,0	6	14,4	3	12,2	4	11,5	5	11,3	9
TREDOU	11,4	10	11,4	2	11,7	11	14,0	8	12,1	6	11,5	6	11,4	5
MEAN	11,4	-	11,2	-	11,9	-	14,0	-	12,1	-	11,4	-	11,3	-
LSD _i (0,05)	0,4	-	0,4	-	0,3	-	0,3	-	0,2	-	0,2	-	0,3	-

R = Ranking LSD = Least significant difference

4 AVERAGE YIELD (T/HA) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025 FOR THE COMBINED RÛENS.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
IS TORDO	4,08	1	-	-	-	-	-	-	-	-	-	-	-	-
LG AFICION	3,41	14	3,44	18	-	-	-	-	-	-	-	-	3,43	17
LG ALBATROS	3,88	3	-	-	-	-	-	-	-	-	-	-	-	-
LG ANCIA	3,50	8	3,81	5	-	-	-	-	-	-	-	-	3,66	5
LG FISANT	3,39	16	-	-	-	-	-	-	-	-	-	-	-	-
RATEL	3,22	21	3,66	12	3,55	10	2,70	13	3,28	13	3,48	14	3,44	16
SAS 3774	3,31	17	3,68	9	3,49	13	2,97	7	3,36	9	3,49	11	3,50	13
SAS 3783	3,26	18	3,66	12	3,52	12	2,75	12	3,30	12	3,48	13	3,46	14
SAS 3855	3,49	10	3,68	9	3,28	15	2,77	11	3,31	11	3,48	12	3,59	8
SAS 3976	3,24	20	3,82	4	2,83	16	2,42	15	3,08	15	3,30	16	3,53	12
SST 0117	3,59	7	3,49	17	3,91	2	3,18	3	3,54	5	3,66	5	3,54	11
SST 0127	3,47	12	3,66	12	3,86	4	3,20	1	3,55	4	3,66	5	3,57	9
SST 0147	3,64	5	3,70	8	3,72	6	3,16	4	3,56	3	3,69	4	3,67	4
SST 015	3,42	13	3,68	9	3,55	10	2,89	9	3,39	8	3,55	8	3,55	10
SST 0166	3,89	2	3,86	2	4,06	1	3,20	2	3,75	1	3,94	1	3,88	1
SST 0187	3,73	4	3,83	3	3,91	2	3,10	5	3,64	2	3,82	2	3,78	3
SST 0208	3,63	6	3,96	1	3,85	5	-	-	-	-	3,81	3	3,80	2
SST 056	3,50	8	3,71	7	3,72	6	2,94	8	3,47	6	3,64	7	3,61	7
SST 087	3,40	15	3,50	16	3,68	8	2,99	6	3,39	7	3,53	9	3,45	15
STEENBOK	3,49	10	3,77	6	3,31	14	2,84	10	3,35	10	3,52	10	3,63	6
TREDOU	3,25	19	3,54	15	3,59	9	2,62	14	3,25	14	3,46	15	3,40	18
MEAN	3,51	-	3,69	-	3,61	-	2,86	-	3,41	-	3,60	-	3,58	-
LSD _i (0,05)	0,1	-	0,1	-	0,2	-	0,2	-	0,1	-	0,1	-	0,1	-

R = Ranking LSD = Least significant difference

5 AVERAGE HECTOLITRE MASS (KG/HL) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025 FOR THE COMBINED RÜENS.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
IS TORDO	79,97	13	-	-	-	-	-	-	-	-	-	-	-	-
LG AFICION	80,6	6	79,0	4	-	-	-	-	-	-	-	-	79,8	4
LG ALBATROS	81,0	3	-	-	-	-	-	-	-	-	-	-	-	-
LG ANCIA	78,2	21	76,6	18	-	-	-	-	-	-	-	-	77,4	18
LG FISANT	80,9	4	-	-	-	-	-	-	-	-	-	-	-	-
RATEL	79,5	17	78,3	9	80,5	7	81,1	3	79,9	9	79,4	11	78,9	13
SAS 3774	82,0	1	79,5	1	81,8	1	82,1	1	81,4	1	81,1	1	80,8	1
SAS 3783	80,6	5	79,2	3	81,2	2	81,1	4	80,5	3	80,3	3	79,9	3
SAS 3855	81,7	2	79,4	2	80,7	6	81,4	2	80,8	2	80,6	2	80,5	2
SAS 3976	80,5	7	78,3	8	80,0	13	80,8	8	79,9	6	79,6	6	79,4	6
SST 0117	79,9	15	78,5	7	80,7	4	80,8	9	80,0	5	79,7	4	79,2	8
SST 0127	80,0	12	78,2	11	80,2	9	80,7	11	79,8	11	79,5	9	79,1	11
SST 0147	80,2	9	77,9	15	80,7	5	80,8	9	79,9	7	79,6	8	79,0	12
SST 015	80,2	8	78,7	6	80,0	12	81,1	6	80,0	4	79,6	5	79,4	5
SST 0166	80,0	11	78,3	10	79,8	14	80,6	12	79,7	13	79,4	13	79,1	9
SST 0187	78,6	20	77,2	17	79,3	16	79,4	15	78,6	15	78,4	16	77,9	17
SST 0208	79,1	18	77,4	16	79,7	15	-	-	-	-	78,8	15	78,3	16
SST 056	79,6	16	78,0	14	80,3	8	80,9	7	79,7	12	79,3	14	78,8	14
SST 087	79,9	14	78,7	5	80,2	10	80,4	13	79,8	10	79,6	7	79,3	7
STEENBOK	80,1	10	78,2	12	80,2	10	81,1	4	79,9	8	79,5	10	79,1	10
TREDOU	79,0	19	78,1	13	81,1	3	80,1	14	79,6	14	79,4	12	78,5	15
MEAN	80,1	-	78,3	-	80,4	-	80,8	-	80,0	-	79,6	-	79,1	-
LSD _i (0,05)	0,4	-	0,4	-	0,3	-	0,5	-	0,2	-	0,2	-	0,3	-

R = Ranking LSD = Least significant difference

6 AVERAGE PROTEIN CONTENT (%) OF ENTRIES DURING THE PERIOD FROM 2022 TO 2025 FOR THE COMBINED RÜENS.

CULTIVAR	2025	R	2024	R	2023	R	2022	R	4-YEAR AVERAGE 2022-2025	R	3-YEAR AVERAGE 2023-2025	R	2-YEAR AVERAGE 2024-2025	R
IS TORDO	9,81	18	-	-	-	-	-	-	-	-	-	-	-	-
LG AFICION	10,8	4	10,8	1	-	-	-	-	-	-	-	-	10,8	3
LG ALBATROS	9,8	20	-	-	-	-	-	-	-	-	-	-	-	-
LG ANCIA	10,9	2	10,7	2	-	-	-	-	-	-	-	-	10,8	2
LG FISANT	10,3	15	-	-	-	-	-	-	-	-	-	-	-	-
RATEL	11,1	1	10,5	3	12,1	4	10,5	3	11,0	1	11,2	1	10,8	1
SAS 3774	10,2	17	10,5	4	11,7	11	10,1	9	10,6	11	10,8	14	10,4	15
SAS 3783	9,8	18	10,1	18	11,4	16	9,8	14	10,3	14	10,4	15	9,9	17
SAS 3855	10,5	7	10,3	16	12,3	1	10,5	2	10,9	2	11,0	2	10,4	14
SAS 3976	9,5	21	10,3	16	11,4	15	9,1	15	10,1	15	10,4	16	9,9	18
SST 0117	10,4	9	10,4	11	11,7	13	10,3	7	10,7	9	10,8	13	10,4	9
SST 0127	10,4	11	10,4	10	12,1	5	10,8	1	10,9	3	10,9	5	10,4	12
SST 0147	10,4	9	10,5	7	11,8	9	10,4	4	10,8	4	10,9	8	10,4	6
SST 015	10,5	8	10,4	12	11,8	8	10,1	10	10,7	8	10,9	10	10,4	8
SST 0166	10,4	12	10,4	9	11,9	7	10,3	5	10,7	7	10,9	9	10,4	11
SST 0187	10,3	14	10,3	13	12,1	2	10,2	8	10,7	6	10,9	7	10,3	16
SST 0208	10,5	6	10,5	6	12,1	3	-	-	-	-	11,0	3	10,5	5
SST 056	10,6	5	10,3	14	11,7	14	9,9	13	10,6	13	10,8	11	10,4	7
SST 087	10,3	13	10,4	8	11,7	10	10,1	11	10,6	12	10,8	12	10,4	13
STEENBOK	10,3	15	10,5	5	12,0	6	10,3	6	10,8	5	10,9	6	10,4	10
TREDOU	10,9	3	10,3	15	11,7	11	9,9	12	10,7	10	11,0	4	10,6	4
MEAN	10,3	-	10,4	-	11,8	-	10,1	-	10,7	-	10,9	-	10,4	-
LSD _i (0,05)	0,4	-	0,3	-	0,3	-	0,4	-	0,2	-	0,2	-	0,3	-

R = Ranking LSD = Least significant difference

GOED AANGEPASTE KANOLAKULTIVARS bly belangrik vir volhoubare sukses

PJA LOMBARD, L SMORENBURG en J STRAUSS, Direkoraat Plantwetenskappe, Wes-Kaapse Departement van Landbou

Die 2025-seisoen het weer eens gewys wat 'n groot invloed plantdatum en klimaatstoestande op produksie kan hê. Verskeie produsente in die Swartland kon teen die middel van April saai, met positiewe resultate. Dit was in skrilte kontras met die voorafgaande jare waar die seisoen laat begin het. In die Suid-Kaap was die aanvang gunstig, maar die seisoen is gekenmerk deur lae reënval en 'n uiters droë, warm lente. Sulke klimaatsekerstes is byna onmoontlik om vooraf te voorsien.

'n Totaal van 18 kultivars is getoets. Die kultivars het bestaan uit drie konvensionele kultivars, sewe Clearfield-kultivars (CI, imasamoks-tolerant) en vyf TT-kultivars (triasien-tolerant). Daarbenewens is drie kombinasietipe kultivars, met beide CI- en TT-toleransie, ingesluit. Die kultivars word as CT, TC of TTI aangedui. In 2025 is twee nuwe kultivars – Nuseed Griffon TTI en PY432T – vir die eerste keer getoets. Die opbrengs- en kultivareienskapsdata word opgesom in **Grafiek 1** en **Tabel 1**.

Swartland opbrengs

In die Swartland het die gemiddelde opbrengs tussen 1 796 kg/ha (Eendekuil) en 3 026 kg/ha (Langgewens-navorsingsplaas) gewissel, met goeie en egalige ontkieming by die meeste proewe. Die konvensionele kultivar CC90014 het vir die vierde opeenvolgende seisoen die hoogste gemiddelde opbrengs (2 957 kg/ha) gelever en was statisties betekenisvol beter as Diamond (2 726 kg/ha) en Quartz (2 638 kg/ha).

Onder die CI-kultivars het 44Y94 CI (2 827 kg/ha), Solstice CI en PY421CI die hoogste opbrengste gelever, hoewel met geen statisties betekenisvolle verskille nie. Die droë einde van die 2025-seisoen het lang groeiende kultivars benadeel, hoewel 45Y95 by Philadelphia, waar toestande langer gunstig gebly het, die hoogste opbrengs behaal het.

Binne die TT-groep het PY429TT (2 603 kg/ha), HyTEC Trophy (2 509 kg/ha) en PY520CT (2 464 kg/ha) die beste presteer, met geen betekenisvolle verskille nie. TT-kultivars se gemiddelde opbrengs

was 7,3% en 13,2% laer as dié van die CI- en konvensionele groepe, 'n patroon wat ooreenstem met die vorige twee seisoene.

Die Rûens opbrengs

In die Rûens is die hoogste proefgemiddeld by Klipdale behaal (2 963 kg/ha), gevolg deur Tygerhoek-navorsingsplaas (2 399 kg/ha). Van die konvensionele kultivars het Diamond die hoogste opbrengs (2 981 kg/ha) gelever, gevolg deur CC90014 (2 861 kg/ha) en Quartz, met geen statisties betekenisvolle verskille tussen hierdie drie kultivars nie. In teenstelling met die vorige seisoen het Diamond die kort groei-seisoen in albei streke effektief benut en goeie opbrengste behaal. Ceres CI, hoewel ook 'n vinnige kultivar, kon egter nie die korter seisoen optimaal benut nie.

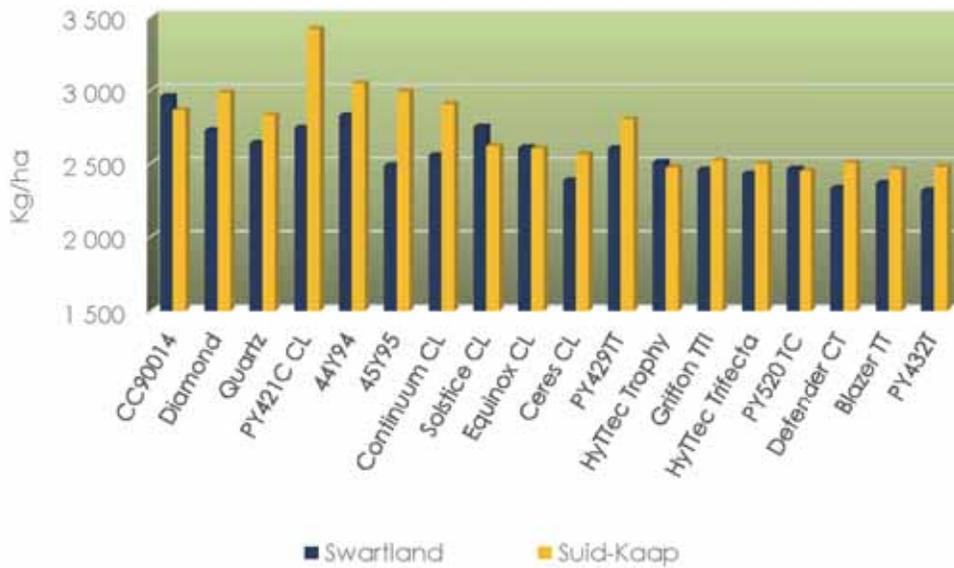
Binne die CI-groep het PY421CI die hoogste opbrengs (3 416 kg/ha) behaal. 44Y94CI (3 045 kg/ha), 45Y95 (2 989 kg/ha), Continuum CI en Equinox CI (2 905 kg/ha) het betekenisvol laer opbrengste as PY421CI gelever.

In die TT-groep het PY429TT (2 800 kg/ha) betekenisvol beter gevaar as alle ander TT-, TC-, CT- en TTI-kultivars en was dit ook die beste TT-kultivar in die Swartland. Die oorblywende TT-kultivars het nie statisties betekenisvol van mekaar verskil nie. Die gemiddelde opbrengs van die TT-kultivars was onderskeidelik 13,6% en 13,0% laer as dié van die konvensionele en CI-kultivars, soortgelyk aan die tendense in 2024.

Gevolgtrekking

- Die gebruik van goed aangepaste kultivars bly 'n kernfaktor vir volhoubare sukses.
- Die keuse van 'n kultivar berus altyd op 'n kombinasie van eienskappe, geen enkele faktor behoort dit uitsluitlik te bepaal nie.
- Selfs al kan sekere faktore swaarder weeg in spesifieke omstandighede, moet die ander faktore steeds in berekening gebring word.
- Opbrengspotensiaal, onkruidbestuur, fisiologiese ontwikkelings-tempo, swartstamweerstand, Sclerotinia en die beskikbaarheid van saad moet deel vorm van 'n gebalanseerde beplanning.

Hierdie navorsing is moontlik gemaak deur befondsing van die Landbounavorsingsraad (LNR), die Suid-Afrikaanse Wintergraanbedryfstrust (SAWCIT), die Suid-Afrikaanse Wintergraanbedryfsagentskap NPO (SAWCIA) en die Departement van Landbou (DoA).



Grafiek 1: Opsomming van die opbrengs (kg/ha) per kultivar in die Swarland en die Suid-Kaap.



← GOED AANGEPASTE KANOLAKULTIVARS...

1 OPSOMMING VAN KULTIVAREIENSAPPE: 2025.

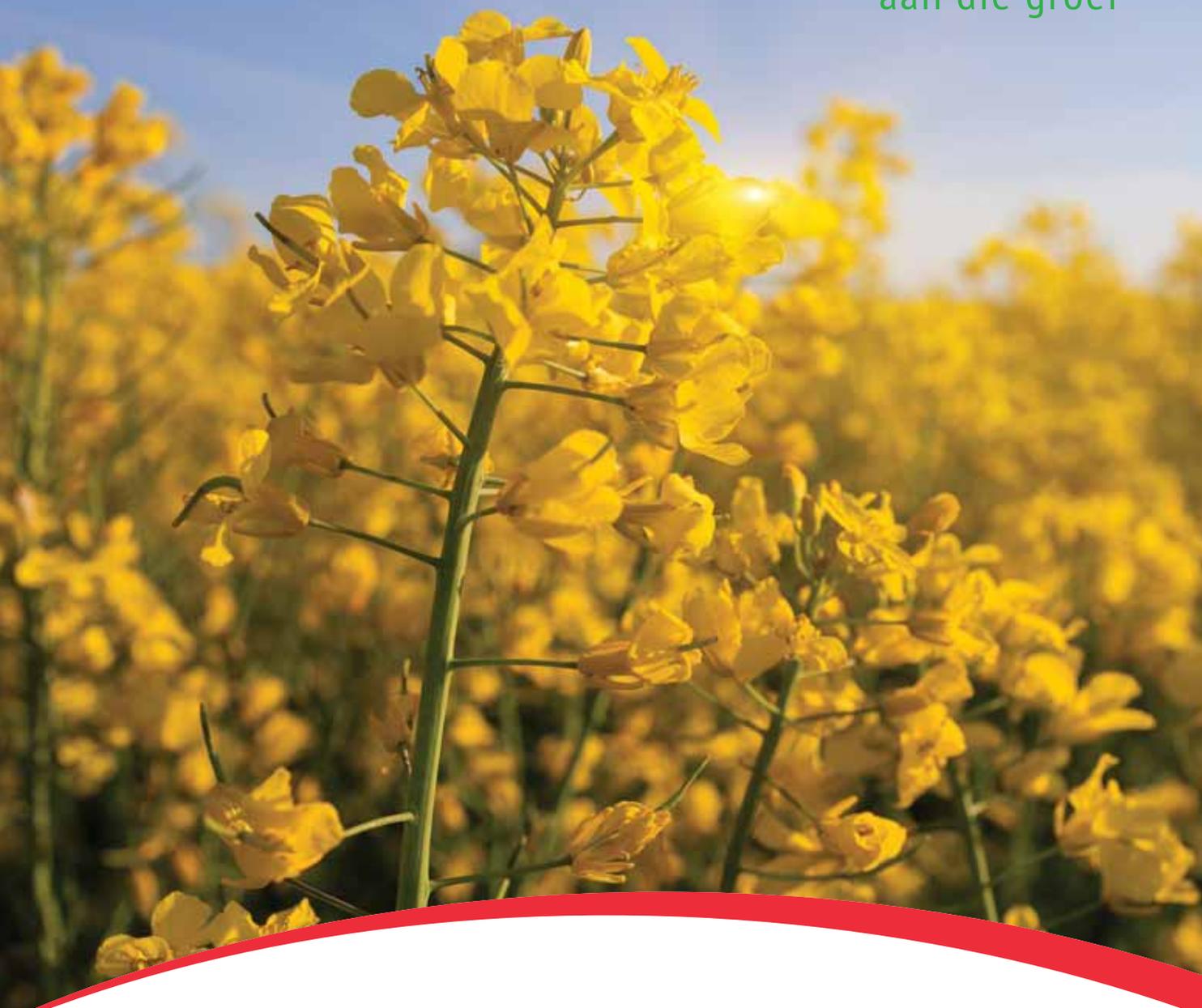
KULTIVAR	TIPE	EIAANAAR	1STE JAAR GETOETS	GROEIPERIODE: DAE TOT BLOM TYGERHOEK & LANGGEWENS 2024 & 2025	DAE TOT EINDE VAN BLOM (LANGGEWENS) 2024 & 2025	OPBRENGS SWARTLAND 2024-2025	OPBRENGS RÛENS 2024-2025	AUS. SWARTSTAMINDEKS			WEERSTANDSGROEP	PITVASTHEID PER MAATSKAPPY
								ONBEH.	SALTRO® ILEVO®	BOONSTE BLAREDAK		
DIAMOND	Konv	Agricol	2015	Vr	Vr	104	105	w-mw ²⁵	w ^{2023(s)}	mw ²⁵	ABF	mw-w*
QUARTZ	Konv	Agricol	2018	Mv	Mv	104	104	mw ²⁵	-	mw ²⁵	ABD	mw-w*
44Y94	CI	Pioneer	2021	M	Mv	109	113	w-mw ²⁵	w ^{2024(s)}	mw ²⁵	BC	8P
45Y95	CI	Pioneer	2022	L	L	103	110	w-mw ²⁵	w ^{2024(s)}	mw ²⁵	C	7 P
PY421C CL	CI	Pioneer	2023	Mv	Mv	108	119	w-mw ²⁵	w ^{2025(s)}	mw ²⁵	A	8 P
SOLSTICE CL	CI	Advanta	2023	Mv	Vr-Mv	107	99	w ²⁵	w ^{2025(s)}	w ²⁵	ADFH	8a
CERES CL	CI	Agricol	2023	Vr	Vr	96	93	w-mw ²⁵	-	mw ²⁵	AD	V*
EQUINOX CL	CI	Advanta	2024	Mv	Mv ²⁰²³⁻²⁰²⁴	100	95	w ²³	-	-	ADF	8a
CONTINUUM CL	CI	Advanta	2024	Mv	Vr-Mv	103	101	w ²⁴	w ^{2024(s)}	w ²⁴	ADF	-
ALPHA TT	TT	Agricol	2017	Mv ²⁰²³⁻²⁰²⁴	Mv ²⁰²³⁻²⁰²⁴			mv-mw ¹⁸	w ^{2018(j)}	-	BF	-
BLAZER TT	TT	Advanta	2021	Mv	Mv	92	92	w-mw ²⁵	w ^{2025(s)}	mw ²⁵	ADF	8a
HYTEC TROPHY	TT	Agricol	2022	Mv	Mv	93	94	w ²⁵	w ^{2025(s)}	mw ²⁵	AD	V*
HYTEC TRIFECTA	TT	Agricol	2022	M	M	93	92	w ²⁵	w ^{2024(s)}	mw ²⁵	ABD	V*
PY429C TT	TT	Pioneer	2024	M	Mv	95	97	w ²⁵	w ^{2025(s)}	w ²⁵	ABH	7 P
HYTEC VELOCITY	TT	Agricol	Elite ^{23, 24}	Vr ²⁰²³⁻²⁰²⁴	Vr ²⁰²³⁻²⁰²⁴			mw ²⁵	-	mw ²⁵	AB	mv-v*
PY432 T	TT	Pioneer	2025	M ²⁰²⁵	L ²⁰²⁵	90 ²⁰²⁵	91 ²⁰²⁵	w-mw ²⁵			AB	7 P
DEFENDER CT	CT	Advanta	2023	Mv	M	89	89	w ²⁵	w ^{2025(s)}	mw ²⁵	ADF	-
PY520 TC	TC	Pioneer	2023	M	M	96	93	mw ²⁵	w ^{2025(s)}	mw ²⁵	BC	8 P
GRIFFON TTI	TTI	Agricol	2025	Mv ²⁰²⁵	Mv ²⁰²⁵	96 ²⁵		w-mw ²⁵	-	mw ²⁵	AC	V*

Konv = konvensionele kultivar, Vr = vroeg, Mv = medium vroeg, M = medium, L = laat.

Alle swartstamweerstand en eienskappe soos aangedui is afkomstig uit Australië, w = weerstand, mw = matige weerstand



'n Wenresep vir kanolasukses



KONVENSIONEEL

**DIAMOND
QUARTZ**

TRIASIEN-TOLERANT

**ALPHA TT
HYTTEC TROPHY
HYTTEC TRIFECTA
HYTTEC VELOCITY**



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DUAL ACTION

CROP PROTECTION

Aviator[®]

XPRO

△ TWO MODES OF ACTION

XPRO™ TECHNOLOGY

-  Enhances crop greening
-  Buffers against drought stress
-  Ensures high crop coverage

LEAFSHIELD™ TECHNOLOGY

-  Triple adjuvanted formulation
-  Rapid, even spreading and penetration
-  Rainfast within 60 minutes
-  Strong foliar retention to minimise wash-off

Cereals /// Canola

UNMATCHED

GROWER SUPPORT



10 mm

Aviator[®] Xpro™ ensures maximum effectiveness, even with rainfall within 1 hour of application.

70%
Effect



75%
Effect



97%
Effect



▽ ANTI-RESISTANCE TECHNOLOGY

Aviator[®] Xpro™ is a fungicide registered on cereals and canola. Aviator[®] Xpro™ combines two complementary fungicides, Bixafen and Prothioconazole, for excellent disease control. The real advantage lies in the formulation: the combined power of Xpro™ and Leafshield™ technology enhances coverage, retention, and overall product consistency and effectiveness.



NO ADJUVANTS

REQUIRED

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READ LABEL BEFORE USE:

Aviator[®] Xpro™ Reg. No. L10089 (Act No. 36 of 1947). Contains 75 g/ℓ Bixafen (pyrazolecarboxamide) and 150 g/ℓ Prothioconazole (triazole). Warning: Aviator[®] Xpro™ and Leafshield™ are registered trademarks of Bayer AG. Bayer (Pty) Ltd. Reg. No. 1968/011192/07. Collaboration Hub, First Floor, Waterfall Circle, 9 Country Estate Drive, Waterfall City, Midrand, 2090

WARNING



Hazard statements:

- Causes serious eye irritation.
- May cause respiratory irritation.
- Very toxic to aquatic life with long-lasting effects.