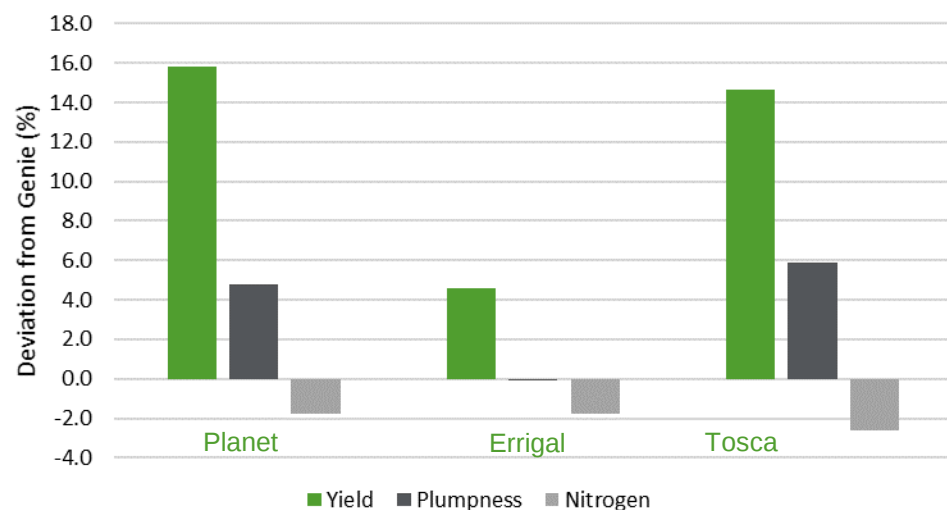


Long term relative agronomic performance of varieties in the North (2 localities)

Beestekraal • Koedoeskop



2024



Barley Varieties

Long term agronomic performance

Variety	Straw length	Straw strength	Growth period
Genie [†]	Medium	Medium	Medium
Planet [†]	Medium	Medium	Medium
Errigal [*]	Medium	Medium	Medium
Tosca [*]	Medium-short	Medium	Medium

*Experimental

[†]Commercial



@Sabbi_barley



Yield in kg/ha

Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	6924	10156	7751	7774	9937	8508	100.0
Planet	8092	11203	8926	8201	10783	9441	115.8
Errigal	8035	10480	8327	7347	10315	8901	104.6
Tosca	7892	11248	8210	8302	11086	9348	114.7

Plumpness

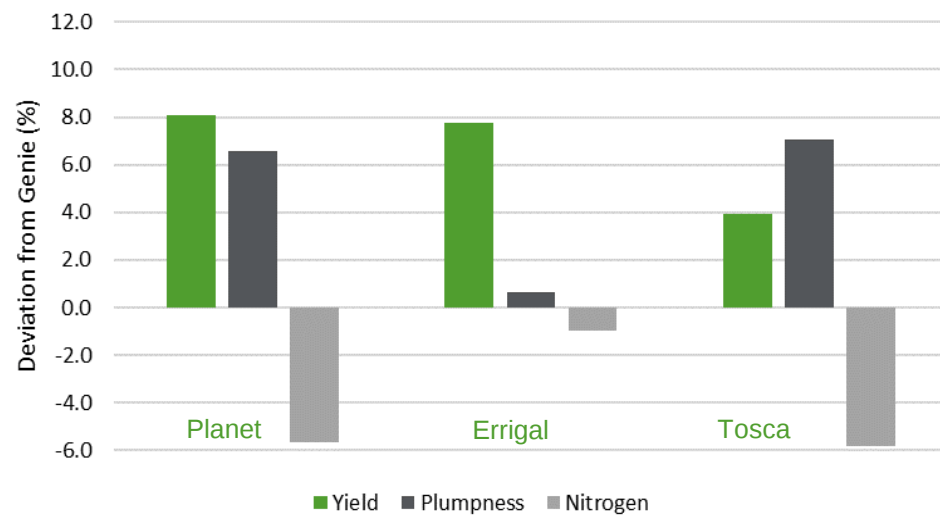
Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	95.8	90.8	88.0	80.6	94.7	90.0	100.0
Planet	98.2	97.2	92.6	80.9	96.4	93.1	104.8
Errigal	98.1	90.7	85.4	79.1	96.2	89.9	99.9
Tosca	96.9	97.0	94.8	84.0	97.5	94.0	105.9

Kernel Nitrogen

Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	1.72	1.87	1.88	1.93	1.87	1.85	100.0
Planet	1.75	1.89	1.79	1.97	1.69	1.82	98.2
Errigal	1.62	1.92	1.79	2.01	1.77	1.82	98.2
Tosca	1.82	1.82	1.75	1.89	1.73	1.80	97.4

Long term relative agronomic performance of varieties in the Central area (3 localities)

Taung • Hartswater • Jan Kempdorp



Yield in kg/ha

Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	8275	8028	9555	9029	8625	8702	100.0
Planet	9191	8271	10677	9914	9083	9427	108.1
Errigal	7815	8726	10544	10279	9536	9380	107.8
Tosca	8110	8046	10037	10219	8911	9065	103.9

Plumpness

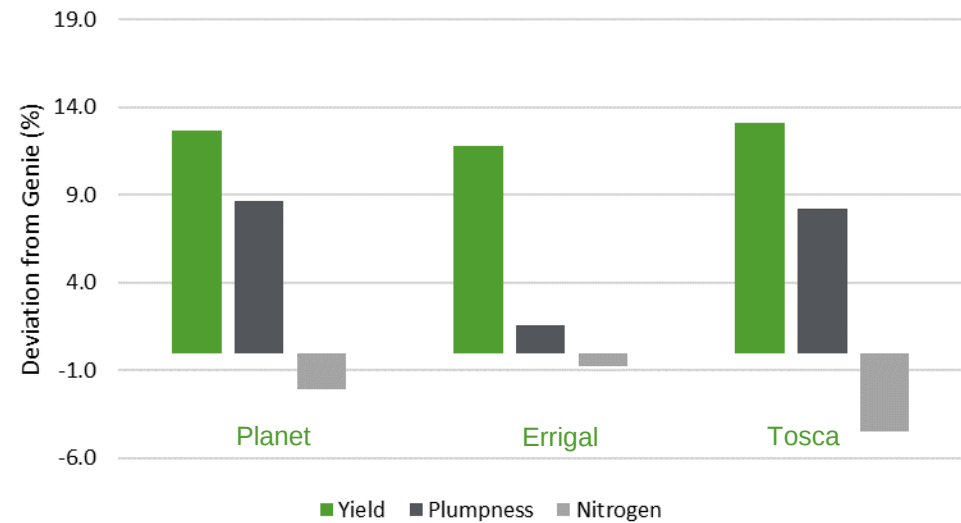
Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	87.0	92.9	89.6	82.0	94.4	89.2	100.0
Planet	92.2	97.6	93.5	90.1	94.7	93.6	106.6
Errigal	87.3	93.2	89.7	86.2	92.4	89.8	100.7
Tosca	92.3	95.0	94.9	92.4	95.8	94.1	107.1

Kernel Nitrogen

Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	2.14	2.09	1.80	2.00	1.85	1.98	100.0
Planet	1.93	2.03	1.81	1.96	1.75	1.89	94.3
Errigal	2.02	2.07	1.83	2.00	1.86	1.96	99.0
Tosca	1.94	2.08	1.74	1.93	1.77	1.89	94.2

Long term relative agronomic performance of varieties in the South (3 localities)

Rietrivier • Douglas • Vanderkloof



Yield in kg/ha

Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	7814	7226	9405	7323	9554	8264	100.0
Planet	8135	8330	9412	8092	10768	8947	112.7
Errigal	9095	7949	10329	8020	10792	9237	111.8
Tosca	8518	8017	9610	8116	10666	8986	113.1

Plumpness

Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	87.0	79.3	91.9	75.7	90.9	84.9	100.0
Planet	93.8	83.5	95.9	85.2	94.9	90.7	108.6
Errigal	91.8	77.1	92.1	80.1	90.4	86.3	101.6
Tosca	93.5	83.1	96.4	83.1	95.6	90.3	108.3

Kernel Nitrogen

Variety	2023	2022	2021	2020	2019	Average	% Dev
Genie	1.78	2.21	1.87	2.01	1.85	1.94	100.0
Planet	1.77	2.15	1.92	1.95	1.84	1.93	97.9
Errigal	1.66	2.17	1.98	2.03	1.81	1.93	99.3
Tosca	1.68	2.06	1.88	1.94	1.84	1.88	95.5