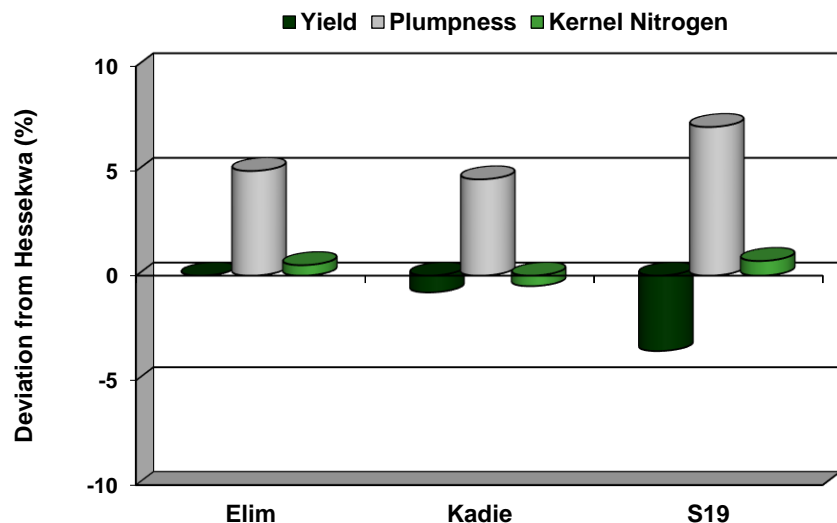


Long term relative agronomic performance of cultivars in the Eastern Rûens (4 localities)

Napky • Swellendam • Heidelberg • Hdb Vlakte



Yield in kg/ha

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	3452	2849	3770	4286	4230	3717	100,0
Elim	3541	2942	3506	4159	4444	3718	100,0
Kadie	3612	3111	3343	3948	4415	3686	99,2
S19	3096	2584	3310	4418	4507	3583	96,4

Kernel plumpness

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	80,9	84,0	95,8	80,6	91,7	86,6	100,0
Elim	83,1	91,1	96,7	89,5	94,3	90,9	105,0
Kadie	76,9	92,3	98,2	91,1	94,3	90,6	104,6
S19	89,2	89,3	97,2	93,0	95,1	92,8	107,1

Kernel nitrogen

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	2,41	2,27	1,93	2,06	1,76	2,09	100,0
Elim	2,56	2,27	1,91	2,00	1,74	2,10	100,5
Kadie	2,49	2,26	1,88	2,03	1,71	2,07	99,5
S19	2,58	2,26	1,97	2,02	1,68	2,10	100,7



Long term agronomic performance of barley cultivars for the Rûens 2019

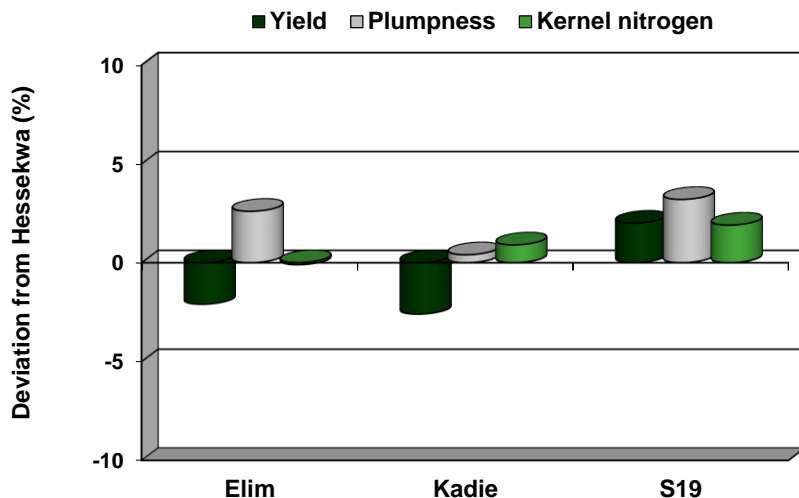
Cultivar	Straw length	Scald	Net form of net blotch	Spot form of net blotch	Leaf rust
Hessekwa	M	R	S	MS	MR
Elim	M	MR	MR	S	R
Kadie	MS	R	MR	S	MR
S19	MS	R	MS	S	MR

MT = Medium Tall **MR = Moderately Resistant**
M = Medium **MS = Moderately Susceptible**
MS = Medium Short **R = Resistant**
S = Short **S = Susceptible**



Long term relative agronomic performance of cultivars in the Western Rûens (4 localities)

Caledon • Rietpoel • Greyton • Tygerhoek



Yield in kg/ha

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	3500	6507	4397	5536	3953	4779	100,0
Elim	3356	6122	4349	5250	4315	4679	97,9
Kadie	3741	6216	4103	5259	3960	4656	97,4
S19	3609	6290	4828	5701	3947	4875	102,0

Kernel plumpness

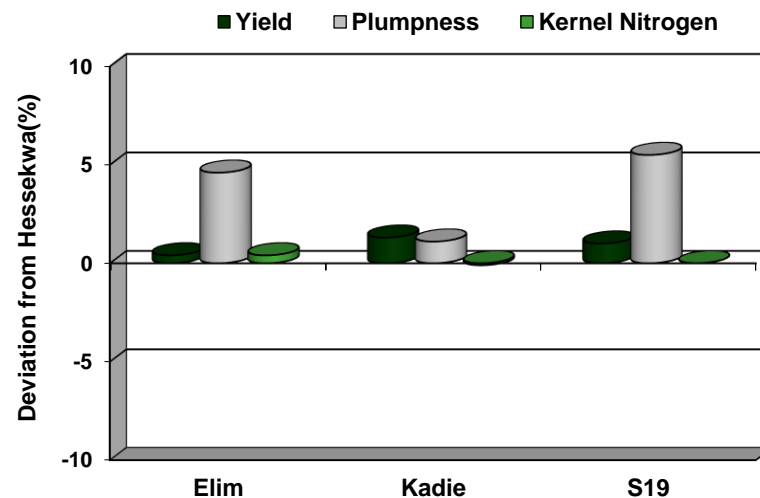
Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	74,3	95,4	91,5	93,1	94,9	89,8	100,0
Elim	80,1	97,0	95,3	94,1	94,6	92,2	102,6
Kadie	71,0	97,2	93,5	94,2	95,2	90,2	100,4
S19	81,2	96,8	94,5	95,1	96,1	92,7	103,2

Kernel nitrogen

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	2,17	1,89	2,21	1,88	1,81	1,99	100,0
Elim	2,29	1,85	2,18	1,86	1,77	1,99	99,9
Kadie	2,22	1,88	2,24	1,87	1,84	2,01	100,9
S19	2,32	1,90	2,28	1,89	1,76	2,03	101,9

Long term relative agronomic performance of cultivars in the Southern Rûens (4 localities)

Napier • Klipdale • Bredasdorp • Proteem



Yield in kg/ha

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	3216	5376	3370	5320	4923	4441	100,0
Elim	3028	5673	3117	5078	5396	4458	100,4
Kadie	3445	5507	3021	5271	5259	4501	101,3
S19	3003	5446	3316	5424	5241	4486	101,0

Kernel plumpness

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	77,0	82,2	96,9	89,5	94,1	88,0	100,0
Elim	84,0	90,1	96,9	92,9	96,3	92,0	104,6
Kadie	68,6	87,6	97,8	95,0	95,7	88,9	101,1
S19	86,0	91,1	97,2	94,0	95,8	92,8	105,5

Kernel nitrogen

Cultivar	2019	2018	2017	2016	2015	Average	% dev
Hessekwa	2,39	2,24	2,01	1,84	1,91	2,08	100,0
Elim	2,47	2,26	1,92	1,88	1,88	2,08	100,4
Kadie	2,35	2,24	2,07	1,86	1,86	2,07	99,9
S19	2,41	2,20	2,07	1,85	1,85	2,08	100,0