

WHITE HYBRID MAIZE

CAP 90-21

EARLY

MEDIUM

LATE

All round performer

CAP 90-21 is a high yielding hybrid which performs well in high potential regions. This hybrid has done well as a silage variety. It has been noted to have grain yields of over 10mt/ha as the norm. Silage yield potential of between 65-80mt/ha under ideal conditions.

It has flinty grain type with excellent milling quality too. It also has good resistance to Grey Leaf Spot, ear rot and rust. This variety is medium maturing North of 26 latitude and becomes late maturing to the South of that, where it is mainly used for silage. CAP 90-21 has a tall plant structure and generally produces one large ear.

We recommended it for 1A, 2A, and 3A for grain and region 4 for silage.

High Potential Dryland Conditions with >700mm Precipitation	CAP 90-21	SC633
Grain Yield (t/ha)	10.3	9.45
Anthesis (days)	83	77
Height (cm)	286	236
Ear position	0.5	0.52
Root lodging (%)	0	32
Stem lodging (%)	4	1
Husk cover (%)	4.2	8.3
Ear rot (%)	1.6	2.3
Gray leaf spot (1-5)	1	1.3
Common rust (1-5)	1	1
Northern corn leaf blight (1-5)	2	2.3
Grain texture (1-5)	4.5	4.5

*1=Bad | 5= Good

2015 Kokstad silage trials

Cultivar	Plant population (number/ha)	Dry matter (%)	Dry matter yield
CAP 122-60	66 667	55.90	22 417
CAP 90-01	64 444	48.72	18 372
CAP 90-04	66 667	47.67	25 312
CAP 90-21	66 111	47.75	24 474
Mean	65 833	55.41	22 833
LSD (P≤ 0.05)	3 211.2	6.9	4 965
CV (%)	3.0	7.6	13.2

- Medium to late maturity- plant early: 120 - 135 days
- Semi-flint, large kernels
- Tall and leafy plant structure: 2.2 - 2.8m plant height
- Resistant to most foliar diseases
- Recommended plant population 48 000 plants/ha



Recommended for regions:

- 1 - Western Regions
- 2 - Temperate Eastern Regions
- 3 - Cold Eastern Region
- 4 - KwaZulu Natal Region

*SILAGE IN ALL REGIONS

*HIGHLY RECOMMENDED FOR KZN

JAMES KEAN & JASON SHEWAN - MOOIRIVER (2016/2017)

Farmers all over the KwaZulu-Natal Midlands have been reporting outstanding results with Capstone Seeds' White Hybrid Maize variety CAP 90-21. Jason Shewan from Grassy Park Dairy in Nottingham Road planted a few hectares of the cultivar in order to test it, he was happy to admit that it stood head-and-shoulders above the rest.

In the area that Jason is farming, there is severe pressure from diseases and CAP 90-21 was hardly affected while the variety from another competitor - sitting just next to it in the field - was severely damaged by Grey Leaf Spot and more. Francis Yeatman predicted that Jason was going to be able to yield 65 - 70mt/ha of silage material.

James Kean was blown away with the way that CAP 90-21 bounced back after heavy hail damage early on after planting. The hail caused the plant to lose about 40% of its leaf material and was still able to yield impressive silage results after he thought that he was going to have to plough it all in.



Competitor



CAP 90-21

*Note the absence of disease

MAIZE AT MEARNS FARM - JAMES KEAN

Pip height	42	36		KG / cob	PPH	yield	wastage	approx
Pip row	14	14		X 0,3 /1000		kg/ha		value
Totals	588	504	1092	0.3276	55000	18018	2000	16018

Pip height	40	40		KG / cob	PPH	yield	wastage	approx
Pip row	12	12		X 0,3 /1000		kg/ha		value
Totals	480	480	960	0.288	50000	14400	2000	12400

AVERAGE YEILD = 14209

MAIZE AT MEARNS FARM - JAMES KEAN

Pip height	39	31		KG / plant	PPH	yield	wastage	approx
Pip row	16	14		X 0,3 /1000		kg/ha		value
Totals	624	434	1058	0.3174	55000	17457	2000	15457

Pip height	35	35		KG / plant	PPH	yield	wastage	approx
Pip row	16	14		X 0,3 /1000		kg/ha		value
Totals	560	490	1050	0.315	55000	17325	2000	15325

AVERAGE YIELD = 15391

*HIGHLY RECOMENDED FOR KZN



Our farmers are serious about farming.
We're serious about seed.