

# ITALIAN RYEGRASS

## SUPREME Q (DIPLOID)

### COMES OUT ON TOP

SUPREME Q is one of the new generation high quality Italian Ryegrass (*Lolium multiflorum*) varieties bred at Cedara by the ARC-API group and licensed to Capstone Seed for the production and marketing of the variety.

SUPREME Q was released with higher dry matter and TNC (total non structural carbohydrates) content than conventional varieties. The original improved TNC variety bred by the ARC, Enhancer, was tested extensively under dairy conditions and showed an unequivocal improvement in cow milk yield both in the Eastern Cape and Kwa-Zulu Natal.

There is no reason why SUPREME Q should not deliver higher animal performance as well. As expected TNC content was higher in winter and peaked again in late spring / early summer as varieties went to seed.



**TRIAL RESULTS ON SECOND PAGE**

- Higher weight gains for beef and sheep
- Average increase of 1.5 liters/day/cow (Holsteins)
- Average increase of 0.9 liters/day/cow (Jerseys)
- Higher in DM content and TNC (Sugars)



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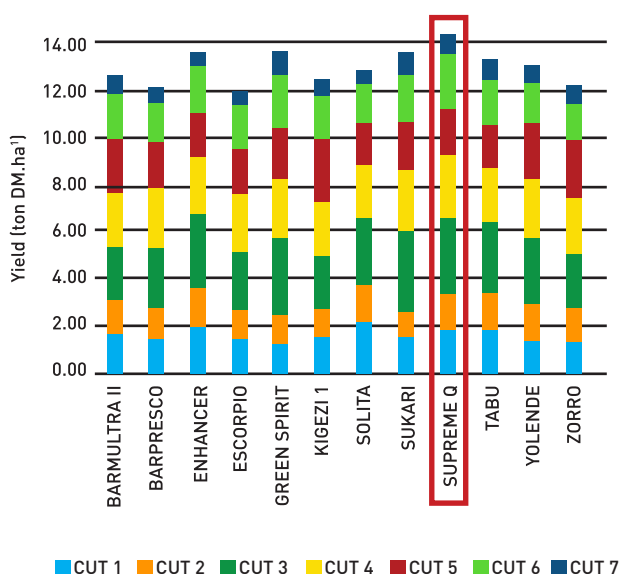
*Lolium multiflorum* (Italian ryegrass) cultivar trial  
Cedara Research Station, KwaZulu-Natal, South Africa: Planted 09/04/2018 | Mean DM yield: tonnes/ha

### Seasonal dry matter yields (t DM/ha) of Italian ryegrass (*Lolium multiflorum*) cultivars planted 2018

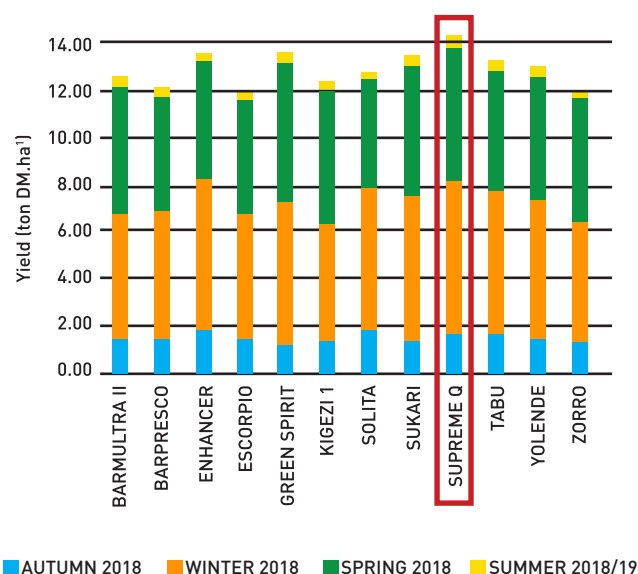
Cultivar	Type	Autumn 2018			Winter 2018			Spring 2018			Summer 2018/19			Total yield		
		ton DM.ha <sup>-1</sup>	Rank		ton DM.ha <sup>-1</sup>	Rank		ton DM.ha <sup>-1</sup>	Rank		ton DM.ha <sup>-1</sup>	Rank		ton DM.ha <sup>-1</sup>	Rank	
Barmultra II	Italian	1.47	12	abcde	5.28	17	efg	5.46	6	abc	0.41	8	bcde	12.62	10	bcde
Barpresco	Italian	1.45	13	bcde	5.44	16	defg	4.90	13	cdef	0.30	12	defg	12.09	14	de
Enhancer	Italian	1.82	4	abcd	6.44	2	a	5.04	10	abcdef	0.34	10	cdef	13.64	3	abc
Escorpio	Italian	1.41	16	cde	5.28	18	efg	4.91	12	cdef	0.32	11	cdefg	11.91	18	de
Green Spirit	Italian	1.14	20	e	6.10	7	abcd	5.87	1	a	0.56	2	ab	13.68	2	ab
Kigezi 1	Italian	1.34	19	de	5.04	20	g	5.67	3	abc	0.41	7	bcde	12.46	11	bcde
Solita	Italian	1.96	1	a	5.98	8	abcd	4.56	14	defg	0.29	14	defg	12.78	9	bcde
Sukari	Italian	1.43	15	cde	6.17	4	abc	5.46	5	abc	0.50	3	abc	13.56	5	abc
<b>Supreme Q</b>	<b>Italian</b>	<b>1.65</b>	<b>7</b>	<b>abcd</b>	<b>6.46</b>	<b>1</b>	<b>a</b>	<b>5.79</b>	<b>2</b>	<b>ab</b>	<b>0.41</b>	<b>6</b>	<b>bcde</b>	<b>14.31</b>	<b>1</b>	<b>a</b>
Tabu	Italian	1.64	9	abcd	6.15	5	abc	4.99	11	bcdef	0.47	4	abcd	13.24	6	abcd
Yolende	Italian	1.49	10	abcde	5.82	11	abcde	5.31	7	abcde	0.43	5	abcde	13.05	8	abcd
Zorro	Italian	1.38	17	de	5.14	19	fg	5.20	8	abcde	0.36	9	cdef	12.08	15	de

DP = Diploid Perenne | DI = Diploid Italian | TI = Tetraploid Italian | C = Control | TP = Tetraploid Perenne

Yield of Italian ryegrass (*Lolium multiflorum*) cultivars by cut of (Lm YT1) 2018



Yield of Italian ryegrass (*Lolium multiflorum*) cultivars by season of (Lm YT1) 2018



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