



SY Dolomite

SY Dolomite is a new feed barley variety that was released to the New Zealand market in 2023. SY Dolomite has demonstrated exceptional yields in both dryland & irrigated environments from both Spring and Autumn sowings.



SY Dolomite feed barley

SY Dolomite is a new high yielding feed barley bred by Syngenta in the UK and developed in NZ in conjunction with Cropmark Seeds as head licensee.

SY Dolomite has excellent standability being a moderate to stiff strawed cultivar with intermediate maturity making it well suited to a range of different farming situations. It shows superior resistance to most diseases and has a wide sowing window from early May through to October.

SY Dolomite produces a large grain with outstanding screenings and test weight.

Disease and agronomic profile for Spring sown SY Dolomite barley 2023/2024

Scald	Intermediate Resistance
Leaf Rust	Moderately Susceptible
Net Blotch	Intermediate Resistance
Powdery mildew	Resistant
Straw strength	Moderate - Stiff
Lodging risk	Low
Crop height	Medium
Maturity	Intermediate

Spring Sown Barley - 4-year adjusted mean - relative yield by site

CULTIVAR	Whanganui	Marton*	Southern NI mean	Dunsandel*	Methven*	Pendarves	St Andrews	Canterbury mean	Balfour	Chatton*	Southland mean	Seasons in CPT2 trials
Region	Manawatu	Manawatu		Mid Canterbury	Mid Canterbury	Mid Canterbury	South Canterbury		Northern Southland	Central Southland		(Spring sown)
Dryland/Irrigated	Dryland	Dryland		Irrigated	Irrigated	Irrigated	Dryland		Dryland	Dryland		
No. of trials	4	3	7	3	3	4	4	14	4	3	7	
Buttress	101	96	99	96	101	103	96	99	103	100	101	9
Fortitude	98	99	98	95	99	102	98	98	102	100	101	10
Laureate	101	99	100	103	100	100	100	101	101	103	102	8
Milford	90	95	93	92	92	100	92	94	91	100	96	11
RGT Planet	97	94	96	95	99	92	91	94	97	94	95	10
SY Dolomite	103	104	104	103	100	99	104	101	99	99	99	6
SY Silhouette	102	102	102	103	98	102	103	101	101	104	103	7
SY Solar	102	99	101	99	100	97	95	98	95	97	95	4
SY Transformer	98	102	100	102	102	101	101	102	100	103	102	5
CRBA164	101	101	101	99	101	99	95	99	93	99	96	4
CRBA173	104	99	102	104	107	98	101	103	106	-	105	2
CRBA180	(101)	(104)	(103)	(103)	-	(99)	(109)	(103)	(108)	-	(106)	1
KSB2209	(100)	(102)	(101)	(98)	-	(107)	(101)	(102)	(107)	-	(106)	1
SY418-250	99	98	99	105	101	97	104	101	99	-	98	2
SY418-336	102	106	104	102	100	105	111	104	96	-	95	2
Site mean yield (t/ha)	7.3	7.3	7.3	11.2	10.9	9.5	7.5	9.7	8.3	10.7	9.3	
LSD (estab. cv) (p=0.05)	5	6	7	4	4	6	7	4	9	12	10	
LSD (new vs estab.) (p=0.05)	8	9	10	5	5	9	11	7	15	15	15	

*No results for Dunsandel (2021-22), Marton (2022-23) and Methven (2023-24) so data are 3-year means. No result from Chatton (2022-23, 2023-24) so data are 2-year means.

- Cultivar has not been in trials at this location.

LSD (estab. cv) is for comparing two "established" cultivars (that have both been in all trials).

LSD (new vs estab.) is for comparing a "new" (first year) cultivar with an "established" cultivar.

Figures in bold indicate the cultivar was amongst the highest yielding group (based on estab. cv LSD).

Figures in brackets are less robust as they are only based on one year of data.

Catalyst Performance Agronomy

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