

Table 1: Disease assessment (%LAI blackleg lesions) at the 4 to 5 leaf crop stage.

		Disease	
Treatment		%LAI	
1.	Nil	6.5	a
2.	Maxim XL	3.7	b
3.	Saltro Duo (seed)	*	
4.	Saltro Duo (seed) + Prosaro 0.375 L/ha 6-leaf	4.0	b
Mean		4.7	
LSD		1.3	
P Val		0.003	

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Table 2: Grain yield (t/ha) and quality (%), harvested 13 December 2021.

		Grain Yield and Quality					
		Yield		Protein		Oil	
Treatment		t/ha		%		%	
1.	Nil	4.76	-	22.1	-	44.8	-
2.	Maxim XL	4.75	-	21.6	-	45.0	-
3.	Saltro Duo (seed)	4.62	-	22.3	-	44.6	-
4.	Saltro Duo (seed) + Prosaro 0.375 L/ha 4-leaf	4.51	-	21.0	-	44.4	-
Mean		4.67		21.8		44.6	
LSD		0.23		1.0		1.5	
P Val		0.173		0.112		0.858	
CV		3.26		3.1		2.1	

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Table 3. Trial management details and treatments.

Sowing date:		7 May
Variety:		HyTTec Trifecta
Target plant density:		60 plants/m ²
Sowing Fertiliser:		150kg MAP & 125kg SOA
Nitrogen:	6 Leaf	113kg N/ha
	Bud Visible	113kg N/ha
Fungicide:		As per treatment list

Trial 9: SAC C21-29 Spring RR Disease Management (45Y28 RR)

Objectives: To determine the effect of seed and seedling fungicide management on grain yield of HyTTec Trifecta (Blackleg resistance = MR, Blackleg Group = BC).

Key Messages:

- There were small differences in blackleg leaf lesion infection on seedlings of 45Y28 RR, but this did not manifest into a difference in grain yield, with no effect of seed or seedling foliar fungicide on grain yield.
- Average yield of 45Y28 RR in this trial was 5.54t/ha.

Treatments: Five fungicide strategies for blackleg crown canker management applied to the cultivar 45Y28 RR.

Table 1: Disease assessment (%LAI) on 10 plants per rep in trts 1, 3, 8 only, 6 July 2021 (4-5 leaf stage).

Treatment		Disease %LAI	
1.	Nil	7.4	a
2.	Maxim XL (Seed)	5.6	b
3.	Saltro Duo (Seed)	*	*
4.	Maxim XL (Seed) + Aviator Xpro 0.65 L/ha 4-leaf	*	*
5.	Saltro Duo (Seed) + Prosaro 0.375 L/ha 4-leaf	5.2	b
Mean		6.0	
LSD		1.5	
P Val		0.025	

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Table 2: Grain yield (t/ha) and quality (%), harvested 13 December 2021.

Grain Yield and Quality							
Treatment		Yield t/ha		Protein %		Oil %	
1.	Nil	5.59	-	22.7	-	42.9	-
2.	Maxim XL (Seed)	5.49	-	22.4	-	42.6	-
3.	Saltro Duo (Seed)	5.47	-	22.9	-	42.6	-
4.	Maxim XL (Seed) + Aviator Xpro 0.65 L/ha 4-leaf	5.56	-	23.9	-	42.9	-
5.	Saltro Duo (Seed) + Prosaro 0.375 L/ha 4-leaf	5.59	-	21.7	-	42.9	-
Mean		5.54		22.6		42.8	
LSD		0.28		1.8		0.9	
P Val		0.977		0.398		0.990	
CV		3.43		5.4		1.5	

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Table 3. Trial management details and treatments.

Sowing date:		7 May
Variety:		45Y28RR
Target plant density:		45 plants/m ²
Sowing Fertiliser:		150kg MAP & 125kg SOA
Nitrogen:	6 Leaf	113kg N/ha
	Bud Visible	113kg N/ha
Fungicide:		As per treatment list