

Project: Powdery Mildew in Canola 2014
Trial: RN1409
Location: Tulloona
Planted: 29/04/2014
Planting Equipment: Small Plot Tyne Planter
Row Spacing: 32cm

Disclaimer:

This document is based on the results from an individual trial and may contain experimental use patterns that are currently off-label. **This document does not provide any interpretation and should not be taken as an endorsement of any unregistered use pattern.**

Professional advice should be sought for specific recommendations to ensure access to the most up to date information and knowledge.

Any product referred to in this document must be used strictly as directed, and in accordance with all label or permit instructions. Always consult the label prior to use.

Appln. Code	Date	Crop Stage
A	21/05/2014	2-4 leaf
B	17/06/2014	30 cm diam
C	23/07/2014	Start of elongation
D	11/08/2014	20% flowering

Trt No.	Variety	Treatment	Rate ml/ha	Adjuvant	Application Code	20/05/2014	23/10/2014
						Emergence /m ²	Yield kg/ha
1	44Y87	Untreated	-	-	-	10.5	2350
2	44Y87	Prosaro	450	-	B	13.7	2526
3	44Y87	Prosaro	450	-	B	9.8	2298
		Prosaro	450	-	D		
4	44Y87	Prosaro	450	-	B	12.5	2412
		Sumisclex	1000	Chemwet 0.5%	D		
5	44Y87	Prosaro	450	-	D	9.2	2463
6	44Y87	Sumisclex	1000	Chemwet 0.5%	D	12.1	2485
7	44Y87	Grp3-11 A	400	-	A	9	2426
		Prosaro	450	-	B		
		Grp3-11 A	400	-	C		
		Prosaro	450	-	D		
8	Hyola 575CL	Untreated	-	-	-	11.1	2410
9	Hyola 575CL	Prosaro	450	-	B	11.7	2352
10	Hyola 575CL	Prosaro	450	-	B	10.5	2412
		Prosaro	450	-	D		
11	Hyola 575CL	Prosaro	450	-	B	12.8	2436
		Sumisclex	1000	Chemwet 0.5%	D		
12	Hyola 575CL	Prosaro	450	-	D	10.9	2401
13	Hyola 575CL	Sumisclex	1000	Chemwet 0.5%	D	11.7	2421

Trt No.	Variety	Treatment	Rate ml/ha	Adjuvant	Application Code	20/05/2014	23/10/2014
						Emergence /m ²	Yield kg/ha
14	Hyola 575CL	Grp3-11 A	400	-	A	12.7	2378
		Prosaro	450	-	B		
		Grp3-11 A	400	-	C		
		Prosaro	450	-	D		
LSD (P=.05)						nsd	nsd
CV							6.7
Treatment Prob.(F)						0.80	0.91

NB: Means followed by same letter do not significantly differ (P=.05, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL

Comments:

No Powdery mildew observed at the site. No effects of fungicide sprays on yield

Trt No.	Variety	Treatment	Rate ml/ha	Adjuvant	Application Code	Oil %	Moisture %	Test Weight kg/hL	Screenings %
1	44Y87	Untreated	-	-	-	41.0 bcd	5.0	66	0.5
2	44Y87	Prosaro	450	-	B	40.4 d	5.2	66	0.6
3	44Y87	Prosaro	450	-	B	40.5 d	5.5	66	0.7
		Prosaro	450	-	D				
4	44Y87	Prosaro	450	-	B	40.9 cd	5.4	66	0.7
		Sumisclex	1000	Chemwet 0.5%	D				
5	44Y87	Prosaro	450	-	D	40.4 d	5.5	66	0.6
6	44Y87	Sumisclex	1000	Chemwet 0.5%	D	39.9	5.1	66	0.5
7	44Y87	Grp3-11 A	400	-	A	40.4 d	5.3	59	1.6
		Prosaro	450	-	B				
		Grp3-11 A	400	-	C				
		Prosaro	450	-	D				
8	Hyola 575CL	Untreated	-	-	-	42.5 a	5.4	66	0.4
9	Hyola 575CL	Prosaro	450	-	B	42.2 ab	5.3	65	0.7
10	Hyola 575CL	Prosaro	450	-	B	42.7 a	5.5	65	0.8
		Prosaro	450	-	D				
11	Hyola 575CL	Prosaro	450	-	B	42.4 a	5.1	63	1.0
		Sumisclex	1000	Chemwet 0.5%	D				
12	Hyola 575CL	Prosaro	450	-	D	42.5 a	5.3	64	0.8
13	Hyola 575CL	Sumisclex	1000	Chemwet 0.5%	D	42.4 a	5.1	65	0.7
14	Hyola 575CL	Grp3-11 A	400	-	A	41.8 abc	5.9	65	0.7
		Prosaro	450	-	B				
		Grp3-11 A	400	-	C				
		Prosaro	450	-	D				
LSD (P=.05)						1.2	nsd	nsd	nsd
Treatment Prob.(F)						0.00	0.59	0.26	0.56

Application Description				
	A	B	C	D
Application Date:	21/05/2014	17/06/2014	23/07/2014	11/08/2014
Application Start Time:	11:30 AM	9.30 AM	10:00 AM	10:35 AM
Application Stop Time:	12:00 PM	10:00 AM	10:15 AM	11:15 AM
Application Method:	SPRAY			
Application Timing:	POEMCR	6 leaf	6 leaf + 1 m	20% Flower
Application Placement:	FOLIAR			
Applied By:	RN	RN	RN	RN
Air Temperature, Unit:	23.4 C	10.3 C	15.5 C	15.9 C
% Relative Humidity:	35	74	47	40
Wind Velocity, Unit:	5.6 kmh	2.1 kmh	5 kmh	7 kmh
Wind Direction:	SSW	S	ENE	SSW
Dew Presence (Y/N):	No	Yes	No	No
Soil Moisture:	DRY	Moist	Dry	Very Dry
% Cloud Cover:	0	0	5	0

Crop Stage At Each Application				
	A	B	C	D
Crop 1 Code, BBCH Scale:	BR SRC BPER	BR SRC BPER	BR SRC BPER	BR SRC BPER
Stage Scale Used:	DESC	DESC	BBCH	BBCH
Stage Majority, Percent:	12	18	55	64
Stage Minimum, Percent:	13	14		
Stage Maximum, Percent:	14			
Diameter, Unit:	2 CM	30 cm	50 cm	
Height, Unit:	8 CM	10 cm	30 cm	1.2 m
Height Minimum, Max:				0.9 1.5

Application Equipment				
	A	B	C	D
Application Equipment:	Quad bike			
Equipment Type:	SPRAYE			
Operation Pressure, Unit:	300 kPa			
Nozzle Type:	AIXR	AIXR	AIXR	AIXR
Nozzle Size:	110015	110015	110015	110015
Nozzle Spacing, Unit:	50 cm	50 cm	50 cm	50 cm
Boom Length, Unit:	2 M	2 m	2 m	
Boom Height, Unit:	50 CM	50 cm	50 cm	
Ground Speed, Unit:	10.3 kph	10.3 ph	10.3 kph	
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	70 L/ha	70 L/ha	70 L/ha	70 L/ha