

**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.**

## Powdery Mildew in Canola – Gatton 2014

Trial ID: **LB1411** Location: **Gatton** Trial Year: **2014**  
Investigator: **Linda Bailey**

<b>Hybrids:</b>	<b>Pioneer 44Y87 and Hyola 575 CL</b>			
<b>Planting Date:</b>	<b>10/06/2014</b>			
<b>Planting Equipment:</b>	<b>Small Plot Disc Planter</b>			
<b>Row Spacing:</b>	<b>20cm</b>			
<b>Planting Rate:</b>	<b>4kg/ha</b>			
<b>Application Code:</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Application Date:</b>	<b>2/07/2014</b>	<b>17/07/2014</b>	<b>14/8/2014</b>	<b>27/8/2014</b>
<b>Target/Stage:</b>	<b>2-4 Leaf</b>	<b>6 Leaf</b>	<b>1<sup>st</sup> Bud</b>	<b>20% Flower</b>

						<b>Powdery Mildew</b>		
						<b>Canola</b>	<b>Canola</b>	
<b>Rating Date:</b>						<b>24/06/2014</b>	<b>10/09/2014</b>	<b>07/10/2014</b>
<b>Rating Type:</b>						<b>EMERGENCE</b>	<b>CANOPY HEIGHT DISEASED</b>	<b>CANOPY HEIGHT DISEASED</b>
<b>Rating Unit:</b>						<b>/m<sup>2</sup></b>	<b>%</b>	<b>%</b>
<b>Crop Stage Majority:</b>						<b>11</b>	<b>69</b>	<b>97 DAA</b>
<b>Days After Application:</b>							<b>70 DAA</b>	<b>82 DAB</b>
<b>Plant-Evaluation Interval:</b>							<b>27 DAC</b>	<b>54 DAC</b>
<b>Plant-Evaluation Interval:</b>						<b>14 DP1</b>	<b>14 DAD</b>	<b>41 DAD</b>
<b>Plant-Evaluation Interval:</b>						<b>92 DP1</b>	<b>92 DP1</b>	<b>119 DP1</b>
<b>Trt No.</b>	<b>Treatment</b>	<b>Product Rate</b>	<b>Active Rate</b>	<b>Growth Stage</b>	<b>Appl. Code</b>			
1	44Y87 Untreated	-	-	-	-	60 b-f	53 a	83 a
2	44Y87 Prosaro	450 ml/ha	184 g ai/ha	6 Leaf	B	67 a-e	35 a-e	65 a-e
3	44Y87 Prosaro Prosaro	450 ml/ha 450 ml/ha	184 g ai/ha 184 g ai/ha	6 Leaf 20% Flower	B D	54 ef	30 b-f	68 a-d
4	44Y87 Prosaro Sumisclex Broadacre Chemwet 1000	450 ml/ha 1000 ml/ha 0.5 % v/v	184 g ai/ha 500 g ai/ha	6 Leaf 20% Flower 20% Flower	B D D	56 def	45 ab	60 b-e
5	44Y87 Prosaro	450 ml/ha	184 g ai/ha	20% Flower	D	58 c-f	4 g	73 ab
6	44Y87 Sumisclex Broadacre Chemwet 1000	1000 ml/ha 0.5 % v/v	500 g ai/ha	20% Flower 20% Flower	D D	62 a-f	13 fg	68 a-d
7	44Y87 Grp3-11 A Prosaro Grp3-11 A Prosaro	400 ml/ha 450 ml/ha 400 ml/ha 450 ml/ha	112 g ai/ha 184 g ai/ha 112 g ai/ha 184 g ai/ha	2-4 Leaf 6 Leaf 6Lf + 1mth 20% Flower	A B C D	52 f	0 g	70 abc
8	Hyola 575CL Untreated	-	-	-	-	71 abc	40 abc	48 ef
9	Hyola 575CL Prosaro	450 ml/ha	184 g ai/ha	6 Leaf	B	72 ab	38 a-d	40 f
10	Hyola 575CL Prosaro Prosaro	450 ml/ha 450 ml/ha	184 g ai/ha 184 g ai/ha	6 Leaf 20% flower	B D	72 ab	21 c-g	53 c-f
11	Hyola 575CL Prosaro Sumisclex Broadacre Chemwet 1000	450 ml/ha 1000 ml/ha 0.5 % v/v	184 g ai/ha 500 g ai/ha	6 Leaf 20% flower	B D D	59 b-f	16 d-g	40 f
12	Hyola 575CL Prosaro	450 ml/ha	184 g ai/ha	20% flower	D	68 a-d	14 efg	58 b-f
13	Hyola 575CL Sumisclex Broadacre Chemwet 1000	1000 ml/ha 0.5 % v/v	500 g ai/ha	20% flower	D D	75 a	26 b-f	55 b-f

### Powdery Mildew in Canola - Gatton 2014

Trial ID: LB1411 Location: Gatton Trial Year: 2014

Pest Name: Crop Name: Rating Date:  Rating Type:  Rating Unit: Crop Stage Majority:  Days After Application:  Plant-Evaluation Interval:						Canola	Powdery Mildew Canola		
						24/06/2014	10/09/2014	07/10/2014	
						EMERGENCE	CANOPY HEIGHT DISEASED	CANOPY HEIGHT DISEASED	
						/m <sup>2</sup>	%	%	
						11	69	97	
							70 DAA	97 DAA	
							55 DAB	82 DAB	
							27 DAC	54 DAC	
							14 DAD	41 DAD	
						14 DP1	92 DP1	119 DP1	
Trt No.	Treatment	Product Rate	Active Rate	Growth Stage	Appln. Code				
14	Hyola 575CL					67 a-e	0 g	50 def	
	Grp3-11 A	400 ml/ha	112 g ai/ha	2-4 Leaf	A				
	Prosaro	450 ml/ha	184 g ai/ha	6 Leaf	B				
	Grp3-11 A	400 ml/ha	112 g ai/ha	6Lf + 1mth	C				
	Prosaro	450 ml/ha	184 g ai/ha	20% flower	D				
						LSD P=.05	13.3	21.5	17.7
						Treatment Prob.(F)	0.0110	0.0001	0.0003

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.

#### Crop Stage Majority

- 11 = First leaves unfolded
- 69 = End of flowering: fruit set visible

DAA = Days after Application A  
DAB = Days after Application B  
DAC = Days after Application C  
DAD = Days after Application D

DP1 = Days after Planting

## Powdery Mildew in Canola – Gatton 2014

Trial ID: **LB1411** Location: **Gatton** Trial Year: **2014**

Pest Description	
Code:	ERYSPG <i>Erysiphe polygoni</i>
Common Name:	Powdery mildew of canola
Establishment Date:	10/09/2014
Establishment Method/Description:	Natural infection

Application Description				
	A	B	C	D
Application Date:	2/07/2014	17/07/2014	14/08/2014	27/08/2014
Application Start Time:	9:15 AM	10:45 AM	8:45 AM	8:40 AM
Application Stop Time:	9:35 AM	11:05 AM	9:00 AM	9:45 AM
Application Method:	SPRAY			
Application Timing:	POEMCR	6 Leaf	1STBUD	20% Flower
Application Placement:	FOLIAR			
Air Temperature, Unit:	14 C	19 C	17 C	15 C
% Relative Humidity:	50	47	57	75
Wind Velocity, Unit:	6 KPH	11 KPH	2 KPH	3 KPH
Wind Direction:	SW		S	
Dew Presence (Y/N):	No		Yes	
% Cloud Cover:	1	0	10	10
Next Moisture Occurred On:	5/07/2014	17/07/2014	17/08/2014	28/08/2014

Application Equipment				
	A	B	C	D
Application Equipment:	Quad Bike			
Equipment Type:	SPRAYER			
Operation Pressure, Unit:	300 kPa			
Nozzle Type:	AIXR			
Nozzle Size:	110015			
Nozzle Spacing, Unit:	50 cm			
Ground Speed, Unit:	10.3 km/hr			
Carrier:	WATER			
Spray Volume, Unit:	70 L/ha			