

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.

Disease Management in Faba Beans 2016 – Chocolate Spot

Trial ID: **DK1616** Location: **Mallawa** Trial Year: **2016**
 Investigator: **Denielle Kilby**

Crop Planted:	17/04/2016
Variety:	PBA Nasma
Planter:	Commercial Tyne Planter
Row Spacing:	70cm
Application Date:	2/08/2016
Application Timing:	First Sign of Disease
Growth Stage at Application:	First Flowers Open
Harvested Plot:	10m x 1.8m

Pest Scientific Name Pest Name Description Part Assessed Assessment Date Assessment Type Assessment Unit Crop Stage Majority Treatment-Evaluation Interval ARM Action Codes			<i>Botrytis fabae</i> Chocolate spot				
			Severity Leaf 3 31/08/2016 COUNT Spots/Leaf 75 29 DAA AL	Severity Leaf 6 31/08/2016 COUNT Spots/Leaf 75 29 DAA	Severity Leaf 3 12/09/2016 LEAF AREA % 80 41 DAA AL	Severity Leaf 6 12/09/2016 LEAF AREA % 80 41 DAA AL	Severity Leaf 3 26/09/2016 LEAF AREA % 82 55 DAA AL
Trt No.	Treatment	Product Rate					
1	Untreated	-	0.9-	3.2-	4.0-	14.7a	17.0-
2	Penncozeb 750 WG	1000g/ha	1.2-	2.9-	4.8-	11.5ab	25.3-
3	Penncozeb 750 WG	2200g/ha	1.7-	3.8-	4.1-	8.1a-d	17.1-
4	Sumisclex	500ml/ha	1.1-	3.5-	2.8-	7.2bcd	21.0-
5	Tri-base Blue	2970ml/ha	1.3-	4.9-	2.2-	9.7abc	16.7-
6	Unite	1400ml/ha	0.5-	3.3-	2.1-	7.3bcd	18.1-
7	Exp 1	700ml/ha	1.4-	3.8-	1.6-	4.7d	24.4-
8	Folicur 430 SC	290ml/ha	1.0-	2.9-	1.6-	7.2bcd	21.7-
9	Spin Flo	250ml/ha	0.6-	2.1-	1.9-	7.0bcd	16.7-
10	Spin Flo	500ml/ha	1.0-	3.3-	1.6-	5.6cd	20.9-
	LSD P=		nsd	nsd	nsd	0.24t	nsd
	Treatment Prob.(F)=		0.2385	0.3464	0.0614	0.0318	0.1680

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

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

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

nsd = No significant difference

Disease Management in Faba Beans 2016 – Chocolate Spot

Trial ID: **DK1616** Location: **Mallawa** Trial Year: **2016**

Crop Name Crop Variety Description Assessment Date Assessment Type Assessment Unit			Faba bean PBA Nasma			
			9/11/2016 YIELD t/ha	Wrinkled Seeds 10/11/2016 COUNT %	Discoloured Seeds 10/11/2016 COUNT %	10/11/2016 SEED WEIGHT g/200 Seed
Trt No.	Treatment	Product Rate				
1	Untreated	-	1.94-	20-	12-	138-
2	Penncozeb 750 WG	1000g/ha	2.10-	22-	16-	126-
3	Penncozeb 750 WG	2200g/ha	2.10-	17-	10-	132-
4	Sumisclex Broadacre Fungicide	500ml/ha	2.34-	17-	11-	138-
5	Tri-base Blue	2970ml/ha	2.30-	19-	7-	133-
6	Unite	1400ml/ha	2.58-	21-	11-	131-
7	Exp 1	700ml/ha	2.33-	14-	11-	138-
8	Folicur 430 SC Fungicide	290ml/ha	2.35-	18-	12-	135-
9	Spin Flo	250ml/ha	2.50-	13-	12-	137-
10	Spin Flo	500ml/ha	2.38-	12-	6-	136-
LSD P=			nsd	nsd	nsd	nsd
Treatment Prob.(F)=			0.3447	0.2278	0.0847	0.9210
CV=			15.7			

Assessment Type

LEAF AREA = Leaf area diseased

Crop Stage Majority

75 = 50% of pods have reached final length

80 = Beginning of ripening: seed green, filling pod cavity

82 = 20% of pods ripe, seeds dry and hard

ARM Action Codes

AL = Automatic log transformation of X+1

DAA = Days after Application

Application Description

Application Date:	2/08/2016
Application Start Time:	10:40 AM
Application Stop Time:	12:15 PM
Application Method:	SPRAY
Application Placement:	FOLIAR
Air Temperature, Unit:	19 C
% Relative Humidity:	55
Wind Velocity, Unit:	2.3 MPS
Wind Direction:	NNE
Dew Presence (Y/N):	No
% Cloud Cover:	20
Next Moisture Occurred On:	3/08/2016
Time to Next Moisture, Unit:	24 HRS

Application Equipment

Application Equipment:	Quad Bike
Equipment Type:	BOOM SPRAY
Operation Pressure, Unit:	300 kPa
Nozzle Type:	AIXR
Nozzle Size:	110015
Nozzle Spacing, Unit:	50 cm
Nozzles/Row:	8
Boom Length, Unit:	4 m
Boom Height, Unit:	50 cm
Ground Speed, Unit:	10.3 km/h
Spray Volume, Unit:	70 L/ha