



Ohio State University  
Horticulture and Crop Science

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Application Date:</b>	Apr-9-2009	Apr-17-2009	Apr-29-2009	May-30-2009
<b>Time of Day:</b>	9:00 A.M	11:30 A.M	9:00 AM	9:00 AM
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	21 EPP	14 EPP	PRE	POST
<b>Application Placement:</b>	BROFOL	BROFOL	BROFOL	BROFOL
<b>Air Temperature, Unit:</b>	55 F	61 F	51 F	62 F
<b>% Relative Humidity:</b>	56	40	78	60
<b>Wind Velocity, Unit:</b>	6 MPH	2 MPH	3 MPH	2 MPH
<b>Wind Direction:</b>	SW	S	E	E
<b>Dew Presence (Y/N):</b>	N no	N no	N no	N no
<b>Soil Temperature, Unit:</b>	40 F	48 F	54 F	62
<b>Soil Moisture:</b>	SLIDRY	SLIWET	NORMAL	DRY
<b>% Cloud Cover:</b>	0	0	100	2

**Crop Stage At Each Application**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Crop 1 Code, BBCH Scale:</b>	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR	ZEAMX BCOR
<b>Stage Scale Used:</b>				BBCH
<b>Stage Majority, Percent:</b>				14 90
<b>Stage Minimum, Percent:</b>				13 10
<b>Stage Maximum, Percent:</b>				14 90
<b>Height, Unit:</b>				7 IN
<b>Height Minimum, Maximum:</b>				5 8

**Pest Stage At Each Application**

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	A		B		C		D	
<b>Pest 1 Code, Type, Scale:</b>	LAMPU	W	LAMPU	W	LAMPU	W	LAMPU	W
<b>Stage Majority, Percent:</b>	19	100	65	100	65	100		
<b>Diameter, Unit:</b>			6	IN	6	IN		
<b>Height, Unit:</b>	1	IN	4	IN	4	IN		
<b>Height Minimum, Maximum:</b>	1	2	3	5	1	4		
<b>Pest 2 Code, Type, Scale:</b>	ERYRE	W	ERYRE	W	ERYRE	W	ERYRE	W
<b>Stage Majority, Percent:</b>	19	100	19	100				
<b>Diameter, Unit:</b>	4	IN	6	IN				
<b>Height, Unit:</b>	1	IN	1	IN				
<b>Height Minimum, Maximum:</b>	1	2	1	2				
<b>Pest 3 Code, Type, Scale:</b>	LAMAM	W	LAMAM	W	LAMAM	W	LAMAM	W
<b>Stage Majority, Percent:</b>	19	100	55		59	100		
<b>Diameter, Unit:</b>	6	IN	5	IN	18	IN		
<b>Height, Unit:</b>	3	IN	3	IN	5	IN		
<b>Height Minimum, Maximum:</b>	1	4	1	4	1	5		
<b>Pest 4 Code, Type, Scale:</b>	RANAB	W	RANAB	W	RANAB	W	RANAB	W
<b>Stage Majority, Percent:</b>	19	100	19	100				
<b>Diameter, Unit:</b>	2	IN	6	IN				
<b>Height, Unit:</b>	4	IN	4	IN				
<b>Height Minimum, Maximum:</b>	3	4	3	5				
<b>Pest 5 Code, Type, Scale:</b>	STEME	W	STEME	W	STEME	W	STEME	W
<b>Stage Majority, Percent:</b>	19	100	61	100				
<b>Diameter, Unit:</b>	4	IN	6	IN				
<b>Height, Unit:</b>	1	IN	1	IN				
<b>Height Minimum, Maximum:</b>	0.5	1	0.5	1.5				
<b>Pest 6 Code, Type, Scale:</b>	ERPSS	W	ERPSS	W	ERPSS	W	ERPSS	W
<b>Stage Majority, Percent:</b>	19	100	69	100				
<b>Diameter, Unit:</b>	1	IN	2	IN				
<b>Height, Unit:</b>	0.5	IN	3	IN				
<b>Height Minimum, Maximum:</b>	0.5	1	1	4				
<b>Pest 7 Code, Type, Scale:</b>	SENGL	W	SENGL	W	SENGL	W	SENGL	W
<b>Stage Majority, Percent:</b>	19	100	30	100				
<b>Diameter, Unit:</b>	4	IN	6	IN				
<b>Height, Unit:</b>	2	IN	4	IN				
<b>Height Minimum, Maximum:</b>	1	2	3	4				
<b>Pest 8 Code, Type, Scale:</b>	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W
<b>Stage Majority, Percent:</b>	08	100	10	100	16	100	18	100
<b>Diameter, Unit:</b>					5	IN	6	IN
<b>Height, Unit:</b>	0.5	IN	0.5	IN	5	IN	6	IN
<b>Height Minimum, Maximum:</b>	0.5	1	0.5	1	1	5	3	8
<b>Pest 9 Code, Type, Scale:</b>	ERICA	W	ERICA	W	ERICA	W	ERICA	W
<b>Stage Majority, Percent:</b>	19	100	19	100				
<b>Diameter, Unit:</b>	2	IN	3	IN				
<b>Height, Unit:</b>	0.5	IN	0.5	IN				
<b>Height Minimum, Maximum:</b>	0.5	1	0.5	1				
<b>Pest10 Code, Type, Scale:</b>	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W
<b>Stage Majority, Percent:</b>							14	75
<b>Stage Minimum, Percent:</b>							12	5
<b>Stage Maximum, Percent:</b>							18	20
<b>Height, Unit:</b>							3	IN
<b>Height Minimum, Maximum:</b>							2	3
<b>Pest11 Code, Type, Scale:</b>	SETFA	W	SETFA	W	SETFA	W	SETFA	W
<b>Stage Majority, Percent:</b>							13	100
<b>Height, Unit:</b>							3	IN
<b>Height Minimum, Maximum:</b>							2	3

#### Application Equipment

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	A	B	C	D
<b>Appl. Equipment:</b>	BACKPACK	BACKPACK	BACKPACK	
<b>Operating Pressure, Unit:</b>	53 PSI	53 PSI	53 PSI	
<b>Nozzle Type:</b>	TEEJET DG	TEEJET DG	TEEJET DG	
<b>Nozzle Size:</b>	11002	11002	11002	
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN	18 IN	
<b>Boom Length, Unit:</b>	10 FT	10 FT	10 FT	
<b>Boom Height, Unit:</b>	20 IN	20 IN	20 IN	
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH	3 MPH	
<b>Carrier:</b>	WATER	WATER	WATER	
<b>Spray Volume, Unit:</b>	20 GPA	20 GPA	20 GPA	
<b>Mix Size, Unit:</b>	3 L	3 L	3 L	
<b>Propellant:</b>	CO2	CO2	CO2	



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Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Plot No. Rep. 1	2	3	Notes
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	14 EPP					
	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	POST	D				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST					
10	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	14 EPP	B	110	215	318	
	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	14 EPP					
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	14 EPP					
	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	POST	D				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST					
11	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	14 EPP	B	111	208	301	
	Lexar	3.7	SE	1.39	lb ai/a	1.5	qt/a	14 EPP					
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	14 EPP					
	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	POST	D				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST					
12	Vida	100	EC	0.065	lb ai/a	1	oz/a	14 EPP	B	112	211	303	
	Atrazine	4	F	1.5	lb ai/a	1.5	qt/a	14 EPP					
	COC	100	SL	1	% v/v	0.8	qt/a	14 EPP					
	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	POST	D				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST					
13	Vida	100	EC	0.065	lb ai/a	1	oz/a	14 EPP	B	113	207	308	
	2,4-D Ester	4	SC	0.5	lb ai/a	1	pt/a	14 EPP					
	COC	100	SL	1	% v/v	0.8	qt/a	14 EPP					
	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	POST	D				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST					
14	Roundup PowerMax	4.5	SL	0.77	lb ae/a	22	oz/a	14 EPP	B	114	210	306	
	N-PAK AMS	100	L	5	% v/v	4	qt/a	14 EPP					
	Roundup Original Max	4.5	SL	0.77	lb ae/a	22	oz/a	POST	D				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST					
15	Glyfos X-tra	3	SL	0.75	lb ae/a	32	oz/a	PRE	C	115	206	319	
	Cheminova Metribuzin	75	DF	0.125	lb ai/a	2.67	oz/a	PRE					
	N-PAK AMS	100	L	3	% v/v	2.4	qt/a	PRE					
16	Glyfos X-tra	3	SL	0.75	lb ae/a	32	oz/a	PRE	C	116	203	320	
	Cheminova Metribuzin	75	DF	0.1875	lb ai/a	4	oz/a	PRE					
	N-PAK AMS	100	L	3	% v/v	2.4	qt/a	PRE					
17	Glyfos X-tra	3	SL	0.75	lb ae/a	32	oz/a	PRE	C	117	204	314	
	Cheminova Metribuzin	75	DF	0.25	lb ai/a	5.33	oz/a	PRE					
	N-PAK AMS	100	L	3	% v/v	2.4	qt/a	PRE					
18	Glyfos X-tra	3	SL	0.75	lb ae/a	32	oz/a	PRE	C	118	205	304	
	Cheminova Metribuzin	75	DF	0.094	lb ai/a	2	oz/a	PRE					
	N-PAK AMS	100	L	3	% v/v	2.4	qt/a	PRE					
	Glyfos X-tra	3	SL	0.75	lb ae/a	32	oz/a	POST	D				
	Cheminova Metribuzin	75	DF	0.094	lb ai/a	2	oz/a	POST					
	N-PAK AMS	100	L	3	% v/v	2.4	qt/a	POST					
19	Glyfos X-tra	3	SL	0.75	lb ae/a	32	oz/a	PRE	C	119	213	302	
	Atrazine	4	F	1	lb ai/a	32	oz/a	PRE					
	N-PAK AMS	100	L	3	% v/v	2.4	qt/a	PRE					
20	UNTREATED									120	219	311	

Sort Order: Replicate 1