Seeded onion response to Dual Magnum, Outlook, and Prowl H20.

Trial ID: Veg1-07 Study Dir.: Stanley Culpepper
Location: VORF Investigator: Stanley Culpepper

Reps: 4 Plots: 6 by 20 feet

Spray vol: 14.8 gal/ac Mix size: 1 liters (min .61734)

PRE Application	Spra	ay vol: 14.8 gal/ac		VIIX SIZ	e: 1 lite	_	ın .617						
1 Dual Magnum										Plot N	lo. By	Rep	
PRE Application	No.	Name	Conc	Type	Rate	Unit	Stg	Code		1			
2 Dual Magnum	1		7.62	L	8	OZ/A		Α	4.223 ml/mx	101	210	304	412
1 leaf application		PRE Application						Α					
3 Dual Magnum   7.62 L   8 OZ/A   4.223 ml/mx   103   207   310   411     4 Dual Magnum   7.62 L   16 OZ/A   A   8.446 ml/mx   104   209   320   405     5 Dual Magnum   7.62 L   16 OZ/A   B   8.446 ml/mx   105   211   303   413     1 leaf application   7.62 L   16 OZ/A   B   8.446 ml/mx   105   211   303   413     6 Dual Magnum   7.62 L   16 OZ/A   B   8.446 ml/mx   106   214   318   419     6 leaf application   7 Outlook   6 L   8 OZ/A   A   4.223 ml/mx   107   213   309   420     7 PRE Application   A   8 OZ/A   B   4.223 ml/mx   107   213   309   420     8 Outlook   6 L   8 OZ/A   B   4.223 ml/mx   108   206   315   407     9 Outlook   6 L   8 OZ/A   A   8.446 ml/mx   109   203   305   410     9 Outlook   6 L   8 OZ/A   A   8.446 ml/mx   110   212   314   417     PRE Application   8   8   8   8   8   8   8     10 Outlook   6 L   16 OZ/A   A   8   8   8   8   8   8     11 Outlook   6 L   16 OZ/A   B   8   8   8   8   8     12 Outlook   6 L   16 OZ/A   B   8   8   8   8   8     13 Prowl H20   3.8 L   1 PT/A   A   8   8   8   8   8     14 Prowl H20   3.8 L   1 PT/A   B   8   8   8   8   8     15 Prowl H20   3.8 L   1 PT/A   B   8   8   8   8   8     16 Prowl H20   3.8 L   2 PT/A   A   16   8   8   ml/mx   116   204   311   402     16 Prowl H20   3.8 L   2 PT/A   B   16   8   8   ml/mx   117   219   306   401     18 Prowl H20   3.8 L   2 PT/A   B   16   8   8   ml/mx   117   219   306   401     18 Prowl H20   3.8 L   2 PT/A   B   16   8   8   ml/mx   117   219   306   401     18 Prowl H20   3.8 L   2 PT/A   B   16   8   8   ml/mx   117   219   306   401     18 Prowl H20   3.8 L   2 PT/A   B   16   8   8   ml/mx   117   219   306   401     18 Prowl H20   3.8 L   2 PT/A   B   16   8   8   ml/mx   117   219   306   401     18 Prowl H20   3.8 L   2 PT/A   B   16   8   ml/mx   117   219   306   401     18 Prowl H20   3.8 L   2 PT/A   B   16   8   ml/mx   117   219   306   401     19 Non-treated control	2	Dual Magnum	7.62	L	8	OZ/A		В	4.223 ml/mx	102	215	312	418
6 leaf application   4 Dual Magnum   7.62 L   16 OZ/A   A   8.446 ml/mx   104   209   320   405		1 leaf application						В					
4 Dual Magnum PRE Application         7.62 L         16 OZ/A         A         8.446 ml/mx         104 209 320 405         405           5 Dual Magnum I Leaf application         7.62 L         16 OZ/A         B         8.446 ml/mx         105 211 303 413         419           6 Dual Magnum Gleaf application         7.62 L         16 OZ/A         8.446 ml/mx         106 214 318 419         419           7 Outlook Gleaf application         6 L         8 OZ/A         A         4.223 ml/mx         107 213 309 420         420           8 Outlook Gleaf application         6 L         8 OZ/A         B         4.223 ml/mx         108 206 315 407         407           9 Outlook Gleaf application         6 L         8 OZ/A         B         4.223 ml/mx         109 203 305 410         410           10 Outlook Gleaf application         6 L         16 OZ/A         A         8.446 ml/mx         110 212 314 417         417           11 Outlook Gleaf application         6 L         16 OZ/A         B         8.446 ml/mx         111 202 316 409         409           12 Outlook Gleaf application         6 L         16 OZ/A         B         8.446 ml/mx         111 202 316 409         404           13 Prowl H20 Sleaf application         3.8 L         1 PT/A         A	3		7.62	L	8	OZ/A			4.223 ml/mx	103	207	310	411
PRE Application		6 leaf application											
5 Dual Magnum 1 leaf application         7.62 L         16 OZ/A B         B         8.446 ml/mx         105         211         303         413           6 Dual Magnum 6 leaf application         7.62 L         16 OZ/A B         8.446 ml/mx         106         214         318         419           7 Outlook PRE Application         6 L         8 OZ/A A         A         4.223 ml/mx         107         213         309         420           8 Outlook 1 leaf application         6 L         8 OZ/A A         B         4.223 ml/mx         108         206         315         407           9 Outlook 6 leaf application         6 L         8 OZ/A B         4.223 ml/mx         109         203         305         410           10 Outlook 6 leaf application         6 L         16 OZ/A B         8.446 ml/mx         110         212         314         417           12 Outlook 6 leaf application         6 L         16 OZ/A B         8.446 ml/mx         111         202         316         409           12 Outlook 6 leaf application         6 L         16 OZ/A B         8.446 ml/mx         112         220         319         404           13 Prowl H20 1 leaf application         3.8 L         1 PT/A B         8.445 ml/mx         113 <td< td=""><td>4</td><td>•</td><td>7.62</td><td>L</td><td>16</td><td>OZ/A</td><td></td><td></td><td>8.446 ml/mx</td><td>104</td><td>209</td><td>320</td><td>405</td></td<>	4	•	7.62	L	16	OZ/A			8.446 ml/mx	104	209	320	405
1   leaf application								Α					
6 Dual Magnum 6 leaf application         7.62 L         16 OZ/A         8.446 ml/mx         106         214         318         419           7 Outlook PRE Application         6 L         8 OZ/A         A         4.223 ml/mx         107         213         309         420           8 Outlook 1 leaf application         6 L         8 OZ/A         B         4.223 ml/mx         108         206         315         407           9 Outlook 6 leaf application         6 L         8 OZ/A         B         4.223 ml/mx         109         203         305         410           10 Outlook PRE Application         6 L         16 OZ/A         A         8.446 ml/mx         110         212         314         417           11 Outlook 1 leaf application         6 L         16 OZ/A         B         8.446 ml/mx         111         202         316         409           12 Outlook 6 leaf application         6 L         16 OZ/A         B         8.446 ml/mx         111         202         316         409           13 Prowl H20 9 RE Application         3.8 L         1 PT/A         A         8.445 ml/mx         113         201         302         403           15 Prowl H20 1 leaf application         3.8 L         1 PT/A <td< td=""><td>5</td><td><u> </u></td><td>7.62</td><td>L</td><td>16</td><td>OZ/A</td><td></td><td></td><td>8.446 ml/mx</td><td>105</td><td>211</td><td>303</td><td>413</td></td<>	5	<u> </u>	7.62	L	16	OZ/A			8.446 ml/mx	105	211	303	413
6 leaf application 7 Outlook 6 L 8 OZ/A A 4.223 ml/mx 107 213 309 420 PRE Application 8 Outlook 6 L 8 OZ/A B 4.223 ml/mx 108 206 315 407 1 leaf application 9 Outlook 6 L 8 OZ/A A 8.423 ml/mx 109 203 305 410 6 leaf application 10 Outlook 6 L 16 OZ/A A 8.446 ml/mx 110 212 314 417 PRE Application 11 Outlook 6 L 16 OZ/A B 8.446 ml/mx 111 202 316 409 1 leaf application 12 Outlook 6 L 16 OZ/A B 8.446 ml/mx 111 202 316 409 1 leaf application 13 Prowl H20 3.8 L 1 PT/A A 8.445 ml/mx 113 201 302 403 PRE Application 14 Prowl H20 3.8 L 1 PT/A B 8.445 ml/mx 114 216 308 415 1 leaf application 15 Prowl H20 3.8 L 1 PT/A B 8.445 ml/mx 115 218 313 408 6 leaf application 16 Prowl H20 3.8 L 2 PT/A A 16.89 ml/mx 115 219 306 401 1 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 1 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 1 leaf application 18 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 1 leaf application 18 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 1 leaf application 1 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 1 leaf application 1 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 1 leaf application 1 Non-treated control								В					
7 Outlook         6 L         8 OZ/A         A         4.223 ml/mx         107         213         309         420           8 Outlook         6 L         8 OZ/A         B         4.223 ml/mx         108         206         315         407           9 Outlook         6 L         8 OZ/A         B         4.223 ml/mx         109         203         305         410           10 Outlook         6 L         16 OZ/A         A         8.446 ml/mx         110         212         314         417           11 Outlook         6 L         16 OZ/A         B         8.446 ml/mx         111         202         316         409           12 Outlook         6 L         16 OZ/A         B         8.446 ml/mx         111         202         316         409           12 Outlook         6 L         16 OZ/A         B         8.446 ml/mx         112         220         319         404           6 leaf application         A         1 PT/A         A         8.445 ml/mx         112         220         319         404           14 Prowl H20         3.8 L         1 PT/A         A         8.445 ml/mx         114         216         308         415	6		7.62	L	16	OZ/A			8.446 ml/mx	106	214	318	419
PRE Application		• • • • • • • • • • • • • • • • • • • •											
8 Outlook         6 L         8 OZ/A         B         4.223 ml/mx         108         206         315         407           9 Outlook         6 L         8 OZ/A         4.223 ml/mx         109         203         305         410           10 Outlook         6 L         16 OZ/A         A         8.446 ml/mx         110         212         314         417           11 Outlook         6 L         16 OZ/A         B         8.446 ml/mx         111         202         316         409           12 Outlook         6 L         16 OZ/A         B         8.446 ml/mx         111         202         316         409           12 Outlook         6 L         16 OZ/A         B         8.446 ml/mx         111         202         316         409           12 Outlook         6 L         16 OZ/A         B         8.446 ml/mx         112         220         319         404           6 leaf application         3.8 L         1 PT/A         A         8.445 ml/mx         113         201         302         403           15 Prowl H20         3.8 L         1 PT/A         B         8.445 ml/mx         115         218         313         408           16 Prowl	7		6	L	8	OZ/A			4.223 ml/mx	107	213	309	420
1   leaf application													
9 Outlook 6 L 8 OZ/A 4.223 ml/mx 109 203 305 410  10 Outlook 6 L 16 OZ/A A 8.446 ml/mx 110 212 314 417  PRE Application  11 Outlook 6 L 16 OZ/A B 8.446 ml/mx 111 202 316 409  1 leaf application  12 Outlook 6 L 16 OZ/A B 8.446 ml/mx 111 202 316 409  1 leaf application  13 Prowl H20 3.8 L 1 PT/A A 8.445 ml/mx 113 201 302 403  PRE Application  14 Prowl H20 3.8 L 1 PT/A B 8.445 ml/mx 114 216 308 415  1 leaf application  15 Prowl H20 3.8 L 1 PT/A B 8.445 ml/mx 115 218 313 408  6 leaf application  16 Prowl H20 3.8 L 2 PT/A A 16.89 ml/mx 116 204 311 402  PRE Application  17 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401  18 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401  18 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 118 205 307 416  6 leaf application  18 Prowl H20 3.8 L 2 PT/A 16.89 ml/mx 118 205 307 416  6 leaf application  19 Non-treated control	8		6	L	8	OZ/A			4.223 ml/mx	108	206	315	407
6 leaf application       6 L       16 OZ/A       A       8.446 ml/mx       110 212 314 417         10 Outlook PRE Application       6 L       16 OZ/A       B       8.446 ml/mx       111 202 316 409         11 Outlook 1 leaf application       6 L       16 OZ/A       B       8.446 ml/mx       111 202 316 409         12 Outlook 6 leaf application       6 L       16 OZ/A       8.446 ml/mx       112 220 319 404         13 Prowl H20 PRE Application       3.8 L       1 PT/A       A 8.445 ml/mx       113 201 302 403         14 Prowl H20 PRE Application       3.8 L       1 PT/A       B 8.445 ml/mx       114 216 308 415         15 Prowl H20 PRE Application       3.8 L       1 PT/A       8.445 ml/mx       115 218 313 408         6 leaf application       A       16.89 ml/mx       116 204 311 402         17 Prowl H20 PRE Application       3.8 L       2 PT/A       A 16.89 ml/mx       117 219 306 401         18 Prowl H20 Prowl H20 Prowl H20 Prowled								В					
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PRE Application         A         B         8.446 ml/mx         111         202         316         409           11 Outlook 1 leaf application         6 L         16 OZ/A B B B 8.446 ml/mx         111 202         316 409           12 Outlook 6 leaf application         6 L 16 OZ/A B 8.446 ml/mx         112 220 319 404         404           13 Prowl H20 3.8 L 1 PT/A PRE Application         3.8 L 1 PT/A B 8.445 ml/mx         113 201 302 403         403           14 Prowl H20 3.8 L 1 PT/A B leaf application         8.445 ml/mx         115 218 313 408         408           15 Prowl H20 3.8 L 2 PT/A A 16.89 ml/mx 115 218 313 408         408         401 116 204 311 402           17 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 116 204 311 402         401 116 204 311 402         401 116 204 311 402           18 Prowl H20 3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 116 6 leaf application         119 208 317 416           18 Prowl H20 3.8 L 2 PT/A 6 leaf application         3.8 L 2 PT/A 16.89 ml/mx 118 205 307 416           18 Prowl H20 3.8 L 2 PT/A 6 leaf application         3.8 L 2 PT/A 16.89 ml/mx 118 205 307 416           19 Non-treated control         414	4.0				4.0	07/4			0.440.44	4.40	0.40	0.1.1	44-
11 Outlook       6 L       16 OZ/A       B       8.446 ml/mx       111 202 316 409         12 Outlook       6 L       16 OZ/A       8.446 ml/mx       112 220 319 404         6 leaf application       3.8 L       1 PT/A       A       8.445 ml/mx       113 201 302 403         13 Prowl H20       3.8 L       1 PT/A       B       8.445 ml/mx       114 216 308 415         14 Prowl H20       3.8 L       1 PT/A       B       8.445 ml/mx       115 218 313 408         15 Prowl H20       3.8 L       1 PT/A       8.445 ml/mx       115 218 313 408         6 leaf application       A       16.89 ml/mx       116 204 311 402         17 Prowl H20       3.8 L       2 PT/A       A       16.89 ml/mx       117 219 306 401         18 Prowl H20       3.8 L       2 PT/A       B       16.89 ml/mx       117 219 306 401         18 Prowl H20       3.8 L       2 PT/A       B       16.89 ml/mx       118 205 307 416         6 leaf application       19 Non-treated control       119 208 317 414	10		6	L	16	OZ/A			8.446 ml/mx	110	212	314	417
1 leaf application       B <td>44</td> <td>· · ·</td> <td></td> <td>,</td> <td>40</td> <td>07/4</td> <td></td> <td></td> <td>0.440 1/</td> <td>444</td> <td>000</td> <td>040</td> <td>400</td>	44	· · ·		,	40	07/4			0.440 1/	444	000	040	400
12 Outlook 6 leaf application       6 L       16 OZ/A       8.446 ml/mx       112 220 319 404         13 Prowl H20 PRE Application       3.8 L       1 PT/A       A 8.445 ml/mx       113 201 302 403         14 Prowl H20 1 leaf application       3.8 L       1 PT/A       B 8.445 ml/mx       114 216 308 415         15 Prowl H20 6 leaf application       3.8 L       1 PT/A       8.445 ml/mx       115 218 313 408         16 Prowl H20 PRE Application       3.8 L       2 PT/A       A 16.89 ml/mx       116 204 311 402         17 Prowl H20 1 leaf application       3.8 L       2 PT/A       B 16.89 ml/mx       117 219 306 401         18 Prowl H20 6 leaf application       3.8 L       2 PT/A       16.89 ml/mx       118 205 307 416         19 Non-treated control       119 208 317 414	11		Ь	L	16	OZ/A			8.446 mi/mx	111	202	316	409
6 leaf application       3.8 L       1 PT/A       A 8.445 ml/mx 113 201 302 403 PRE Application       3.8 L       1 PT/A B 8.445 ml/mx 114 216 308 415 B       308 415 308 415 B         14 Prowl H20 1 leaf application       3.8 L 1 PT/A B 8.445 ml/mx 115 218 313 408 B       3.8 L 1 PT/A 8.445 ml/mx 115 218 313 408 B       3.8 L 2 PT/A A 16.89 ml/mx 116 204 311 402 B       3.8 L 2 PT/A B 16.89 ml/mx 116 204 311 402 B       3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 B       3.8 L 2 PT/A B 16.89 ml/mx 117 219 306 401 B       3.8 L 2 PT/A B 16.89 ml/mx 118 205 307 416 B       3.8 L 2 PT/A B 16.89 ml/m	10	• • • • • • • • • • • • • • • • • • • •	6	1	16	07/4		ь	0.446 ml/mv	112	220	240	404
13 Prowl H20 PRE Application       3.8 L       1 PT/A       A 8.445 ml/mx A       113 201 302 403 201 302 2	12		О	L	10	OZ/A			0.440 IIII/IIIX	112	220	319	404
PRE Application         A         Image: Control of the proof of the	12	· ·	30	1	1	DT/A		۸	8 445 ml/my	112	201	302	402
14 Prowl H20       3.8 L       1 PT/A       B       8.445 ml/mx       114       216       308       415         15 Prowl H20       3.8 L       1 PT/A       8.445 ml/mx       115       218       313       408         6 leaf application       3.8 L       2 PT/A       A       16.89 ml/mx       116       204       311       402         PRE Application       3.8 L       2 PT/A       B       16.89 ml/mx       117       219       306       401         17 Prowl H20       3.8 L       2 PT/A       B       16.89 ml/mx       117       219       306       401         18 Prowl H20       3.8 L       2 PT/A       16.89 ml/mx       118       205       307       416         6 leaf application       19 Non-treated control       119       208       317       414	13		3.0	L	J	r I/A			0.440 IIII/IIIX	113	201	302	403
1 leaf application       B         15 Prowl H20       3.8 L       1 PT/A       8.445 ml/mx       115       218       313       408         6 leaf application       3.8 L       2 PT/A       A       16.89 ml/mx       116       204       311       402         PRE Application       A       16.89 ml/mx       117       219       306       401         17 Prowl H20       3.8 L       2 PT/A       B       16.89 ml/mx       117       219       306       401         18 Prowl H20       3.8 L       2 PT/A       16.89 ml/mx       118       205       307       416         6 leaf application       19 Non-treated control       119       208       317       414	1/		3 2	ī	1	ΡΤ/Δ			8 445 ml/my	11/	216	308	415
15 Prowl H20       3.8 L       1 PT/A       8.445 ml/mx       115       218       313       408         16 Prowl H20       3.8 L       2 PT/A       A       16.89 ml/mx       116       204       311       402         17 Prowl H20       3.8 L       2 PT/A       B       16.89 ml/mx       117       219       306       401         18 Prowl H20       3.8 L       2 PT/A       16.89 ml/mx       118       205       307       416         6 leaf application       19 Non-treated control       119       208       317       414	'-		5.0	_	'	1 1//			0. <del>44</del> 0 IIII/IIIX	117	210	300	713
6 leaf application       3.8 L       2 PT/A       A 16.89 ml/mx 116 204 311 402 PRE Application       3.8 L       2 PT/A B 16.89 ml/mx 117 219 306 401 Prowl H20 3.8 L       2 PT/A B 16.89 ml/mx 117 219 306 401 Prowl H20 B 16.89 ml/mx 118 205 307 416 G leaf application       3.8 L       2 PT/A 16.89 ml/mx 118 205 307 416 119 208 317 414	15		3.8	L	1	PT/A		_	8.445 ml/mx	115	218	313	408
16 Prowl H20 PRE Application       3.8 L       2 PT/A       A 16.89 ml/mx A       116 204 311 402 A         17 Prowl H20 1 leaf application       3.8 L       2 PT/A B 16.89 ml/mx B       117 219 306 401 A         18 Prowl H20 6 leaf application       3.8 L       2 PT/A B 16.89 ml/mx B       118 205 307 416 A         19 Non-treated control       119 208 317 414			0.0	_	'	,, (			3. 1 10 1111/111X		2.0	0.0	100
PRE Application       A       Section         17 Prowl H20       3.8 L       2 PT/A       B       16.89 ml/mx       117       219       306       401         18 Prowl H20       3.8 L       2 PT/A       16.89 ml/mx       118       205       307       416         6 leaf application       19 Non-treated control       119       208       317       414	16		3.8	L	2	PT/A		Α	16.89 ml/mx	116	204	311	402
17 Prowl H20       3.8 L       2 PT/A       B       16.89 ml/mx       117       219       306       401         18 Prowl H20       3.8 L       2 PT/A       16.89 ml/mx       118       205       307       416         6 leaf application       119       208       317       414			2.0	=	_								
1 leaf application       B            18 Prowl H20       3.8 L       2 PT/A       16.89 ml/mx       118       205       307       416         6 leaf application       119       208       317       414	17		3.8	L	2	PT/A			16.89 ml/mx	117	219	306	401
6 leaf application       19 Non-treated control       119 208 317 414													
6 leaf application       19 Non-treated control       119 208 317 414	18	Prowl H20	3.8	L	2	PT/A			16.89 ml/mx	118	205	307	416
		6 leaf application											
20 Non-treated control 120 217 301 406	19	Non-treated control								119	208	317	414
	20	Non-treated control								120	217	301	406

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
47.509	ml	Dual Magnum	7.62	L	
47.509	ml	Outlook	6	L	
95.007	ml	Prowl H20	3.8	L	

Reps: 4 Plots: 6 by 20 feet

Spray vol: 14.8 gal/ac Mix size: 1 liters (min .61734)

			_		
Trt	Tr> Form	Form		Rate	Plot No. By Rep
No.	N> Conc	Type	Rate	Unit	

Product quantities required for listed treatments and applications in one trial:

### Amount\* Unit Treatment Name Form Conc Form Type Lot Code

- \* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 1 liters (mix size basis).
- \* Product amount calculations increased 25 % for overage adjustment.

#### **Trial Comments**

OBJECTIVE: To determine seeded onion response to Dual Magnum, Outlook, and Prowl H20.

PRE treatments - Dual Magnum, Outlook, and Prowl H2O all caused severe injury when applied PRE.

1-leaf treatments - Dual Magnum caused 81 to 97% injury 14 weeks after treatment. Outlook caused 41 to 72% injury 14 weeks after treatment. Prowl H2O was safe to onion with injury never exceeding 16%.

6-leaf treatments - due to a heavy weed infestation, 6 leaf applications were not made.

Conclusion - Dual Magnum and Outlook are not safe to apply either PRE or at the 1-leaf stage of onion. Prowl H2O caused severe injury when applied PRE. However, Prowl H2O was found safe to onion when applied POST at the 1-leaf stage.

Seeded onion response to Dual Magnum, Outlook, and Prowl H20.

Trial ID: Veg1-07 Study Dir.: Stanley Culpepper Location: VORF Investigator: Stanley Culpepper

ALLCE   Injury   Rating Data Type   Rating Data Type   Rating Date   Nov-08-06   Nov-25-06   Dec-11-06   Dec-19-06   Feb-13-07   Crop Stage   ANW   AWW	Loc	ation: VORF			]	Investig	ator: Stan	ley Culpep	per
Rating Date	Cro	o Code			ALLCE	ALLC	E ALLCE	ALLCE	ALLCE
Rating Date Crop Stage Crop Stage Crop Stage Crop Stage AWM	Rati	ng Data Type			Injury	Inju	ry Injury	/ Injury	Injury
Crop Stage					%				
ASSESSED BY AWM AWM AWM AWM AWM Trit-Eval Interval	Rati	ng Date			Nov-06-06	Nov-25-0	6 Dec-11-06	Dec-19-06	Feb-13-07
Tri-Eval Interval					1 leaf	1-2 lea	af 2 lea	f 3 leaf	5 leaf
Trit   Treatment   No. Name   Nate   Unit   1   2   3   4   5									
No. Name   Rate Unit   1   2   3   4   5	Trt-E	Eval Interval			26 DA-A	19 DA-	B 35 DA-E	43 DA-B	99 DA-B
1 Dual Magnum PRE Application 2 Dual Magnum 8 OZ/A 0 e 16 de 49 d 60 ef 81 bc 1 leaf application 3 Dual Magnum 8 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 4 Dual Magnum 16 OZ/A 60 b 86 a 99 a 99 a 99 a 99 a PRE Application 5 Dual Magnum 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 6 Dual Magnum 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 7 Outlook 8 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 8 Outlook 8 OZ/A 0 e 19 de 33 e 75 c 70 de 80 c PRE Application 8 Outlook 8 OZ/A 0 e 19 de 33 e 35 g 41 d 1 leaf application 9 Outlook 8 OZ/A 0 e 19 de 33 e 35 g 41 d 1 leaf application 10 Outlook 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 11 Outlook 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 12 Outlook 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 13 Prowl H20 1 PT/A 74 a 88 a 95 a 93 ab 94 ab PRE Application 14 Prowl H20 1 PT/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 15 Prowl H20 2 PT/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 16 Prowl H20 2 PT/A 0 e 13 ef 16 f 11 h 6 e 1 leaf application 17 Prowl H20 2 PT/A 0 e 13 ef 16 f 11 h 6 e 1 leaf application 18 Prowl H20 2 PT/A 0 e 13 ef 16 f 11 h 6 e 1 leaf application 19 Non-treated control 0 e 0 f 0 g 0 h 0 e 6 leaf application 18 Prowl H20 2 PT/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 19 Non-treated control 0 e 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 c 0 f 0 g 0 h 0 e 0 f 0 g 0 h 0 f 0 g 0 h 0 f 0 g 0 h 0 f 0 g 0 h 0 f 0	Trt	Treatment		Rate					
PRE Application 2 Dual Magnum 3 Dual Magnum 6 leaf application 3 Dual Magnum 7 leaf application 4 Dual Magnum 8 OZ/A 9 e 9 e 16 de 49 d 10 e 10 g 0 h 0 e 10 e	No.	Name	Rate	Unit	1	2	3	4	5
1 leaf application   3 Dual Magnum   8 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   4 Dual Magnum   16 OZ/A   60 b   86 a   99 a   99 a   99 a   99 a   99 a   99 a   7 b   20 b	1	•	8	OZ/A	58 bc	83 a	96 a	93 ab	94 ab
6 leaf application 4 Dual Magnum PRE Application 5 Dual Magnum 16 OZ/A 0 e 38 c 77 bc 84 bc 98 a 1 leaf application 6 Dual Magnum 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 7 Outlook PRE Application 8 OZ/A 1 leaf application 8 OZ/A 0 e 1 leaf application 9 Outlook 1 leaf application 10 Outlook PRE Application 11 Outlook 16 OZ/A 1 leaf application 12 Outlook 16 OZ/A 1 leaf application 13 Prowl H20 1 leaf application 14 Prowl H20 1 leaf application 15 Prowl H20 1 leaf application 16 Prowl H20 1 PT/A 1 PRE Application 17 Prowl H20 1 PT/A 18 a 18 a 19	2		8	OZ/A	0 e	16 d	le 49 d	60 ef	81 bc
PRE Application   16 OZ/A   0 e   38 c   77 bc   84 bc   98 a   1 leaf application   6 Dual Magnum   16 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   7 Outlook   8 OZ/A   48 d   63 b   75 c   70 de   80 c   PRE Application   8 OZ/A   0 e   19 de   33 e   35 g   41 d   1 leaf application   9 Outlook   8 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   10 Outlook   16 OZ/A   50 cd   68 b   85 b   81 cd   84 bc   PRE Application   11 Outlook   16 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   12 Outlook   16 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   13 Prowl H20   1 PT/A   74 a   88 a   95 a   93 ab   94 ab   PRE Application   15 Prowl H20   1 PT/A   0 e   4 f   3 g   3 h   3 e   1 leaf application   16 Prowl H20   2 PT/A   81 a   94 a   97 a   96 a   98 a   PRE Application   17 Prowl H20   2 PT/A   0 e   13 ef   16 f   11 h   6 e   1 leaf application   18 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   18 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   18 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 f   0 g   0 h   0 f   0 g   0 h   0 f   0 f   0 g   0 h   0 f   0 f   0 g   0 h   0 f   0 f   0 g   0 h   0 f   0 f   0 g   0 h   0 f	3	•	8	OZ/A	0 e	0 f	0 g	0 h	0 е
1 leaf application   6 Dual Magnum   16 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   8 OZ/A   48 d   63 b   75 c   70 de   80 c   PRE Application   8 OZ/A   0 e   19 de   33 e   35 g   41 d   1 leaf application   9 Outlook   8 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   16 OZ/A   50 cd   68 b   85 b   81 cd   84 bc   PRE Application   10 Outlook   16 OZ/A   0 e   25 d   51 d   54 f   73 c   1 Outlook   16 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   12 Outlook   16 OZ/A   0 e   25 d   51 d   54 f   73 c   1 leaf application   13 Prowl H20   1 PT/A   74 a   88 a   95 a   93 ab   94 ab   PRE Application   1 PT/A   0 e   4 f   3 g   3 h   3 e   1 leaf application   1 PT/A   0 e   4 f   3 g   3 h   3 e   1 Prowl H20   1 PT/A   0 e   4 f   3 g   3 h   3 e   1 Prowl H20   2 PT/A   81 a   94 a   97 a   96 a   98 a   PRE Application   1 PT/A   0 e   13 ef   16 f   11 h   6 e   1 leaf application   1 PT/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   1 PT/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   1 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   1 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   2 Non-treated control   0 e   0 f   0 g   0 h   0 e   2 Non-treated control   0 e   0 f   0 g   0 h   0 e   2 Non-treated control   0 e   0 f   0 g   0 h   0 e   3 PRE Application   0 e   0 f   0 g   0 h   0 e   3 PRE Application   0 e   0 f   0 g   0 h   0 e   3 PRE Application   0 e   0 f   0 g   0 h   0 e   4 PRE Application   0 e   0 f   0 g   0 h   0 e	4		16	OZ/A	60 b	86 a	99 a	99 a	99 a
6 leaf application 7 Outlook 8 OZ/A 48 d 63 b 75 c 70 de 80 c PRE Application 8 Outlook 8 OZ/A 0 e 19 de 33 e 35 g 41 d 1eaf application 9 Outlook 8 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 10 Outlook 16 OZ/A 50 cd 68 b 85 b 81 cd 84 bc PRE Application 11 Outlook 16 OZ/A 0 e 25 d 51 d 54 f 73 c 1eaf application 12 Outlook 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 13 Prowl H20 1 PT/A 74 a 88 a 95 a 93 ab 94 ab PRE Application 14 Prowl H20 1 PT/A 0 e 4 f 3 g 3 h 3 e 1eaf application 15 Prowl H20 1 PT/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 16 Prowl H20 2 PT/A 81 a 94 a 97 a 96 a 98 a PRE Application 17 Prowl H20 2 PT/A 0 e 13 ef 16 f 11 h 6 e 1eaf application 18 Prowl H20 2 PT/A 0 e 0 f 0 g 0 h 0 e 6 leaf application 19 Non-treated control 0 e 0 f 0 g 0 h 0 e ESD (P=.05) Standard Deviation 6.1 7.7 6.6 7.8 8.9 Bartlett's X2 3.458 11.534 33.865 37.111 54.397	5		16	OZ/A	0 e	38 c	77 bo	84 bc	98 a
PRE Application   8 Outlook   1 leaf application   8 Outlook   8 OZ/A   0 e   19 de   33 e   35 g   41 d   1 leaf application   9 Outlook   8 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   10 Outlook   16 OZ/A   50 cd   68 b   85 b   81 cd   84 bc   PRE Application   11 Outlook   16 OZ/A   0 e   25 d   51 d   54 f   73 c   1 leaf application   12 Outlook   16 OZ/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   13 Prowl H20   1 PT/A   74 a   88 a   95 a   93 ab   94 ab   PRE Application   14 Prowl H20   1 PT/A   0 e   4 f   3 g   3 h   3 e   1 leaf application   15 Prowl H20   1 PT/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   16 Prowl H20   2 PT/A   81 a   94 a   97 a   96 a   98 a   PRE Application   17 Prowl H20   2 PT/A   0 e   13 ef   16 f   11 h   6 e   1 leaf application   18 Prowl H20   2 PT/A   0 e   0 f   0 g   0 h   0 e   6 leaf application   19 Non-treated control   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 e   0 f   0 g   0 h   0 f   0 f   0 f   0 f   0 f   0 g   0 h   0 f	6	•	16	OZ/A	0 e	0 f	0 g	0 h	0 е
1 leaf application   9 Outlook   8 OZ/A   0 e   0 f   0 g   0 h   0 e	7		8	OZ/A	48 d	63 b	75 c	70 de	80 c
9 Outlook 8 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application  10 Outlook 16 OZ/A 50 cd 68 b 85 b 81 cd 84 bc PRE Application  11 Outlook 16 OZ/A 0 e 25 d 51 d 54 f 73 c 1 leaf application  12 Outlook 16 OZ/A 0 e 0 f 0 g 0 h 0 e 6 leaf application  13 Prowl H20 1 PT/A 74 a 88 a 95 a 93 ab 94 ab PRE Application  14 Prowl H20 1 PT/A 0 e 4 f 3 g 3 h 3 e 1 leaf application  15 Prowl H20 1 PT/A 0 e 0 f 0 g 0 h 0 e 6 leaf application  16 Prowl H20 2 PT/A 81 a 94 a 97 a 96 a 98 a PRE Application  17 Prowl H20 2 PT/A 0 e 13 ef 16 f 11 h 6 e 1 leaf application  18 Prowl H20 2 PT/A 0 e 0 f 0 g 0 h 0 e 6 leaf application  19 Non-treated control 0 e 0 f 0 g 0 h 0 e 10 leaf application  19 Non-treated control 0 e 0 f 0 g 0 h 0 e 10 leaf application  10 P=.05)  Standard Deviation 6.1 7.7 6.6 7.8 8.9 CV 32.87 25.77 16.94 20.14 20.89 Bartlett's X2 3.458 11.534 33.865 37.111 54.397	8		8	OZ/A	0 e	19 d	le 33 e	35 g	41 d
10 Outlook         16 OZ/A         50 cd         68 b         85 b         81 cd         84 bc           PRE Application         16 OZ/A         0 e         25 d         51 d         54 f         73 c           11 Outlook         16 OZ/A         0 e         0 f         0 g         0 h         0 e           12 Outlook         16 OZ/A         0 e         0 f         0 g         0 h         0 e           6 leaf application         1 PT/A         74 a         88 a         95 a         93 ab         94 ab           PRE Application         1 PT/A         0 e         4 f         3 g         3 h         3 e           14 Prowl H20         1 PT/A         0 e         0 f         0 g         0 h         0 e           6 leaf application         1 PT/A         0 e         0 f         0 g         0 h         0 e           16 Prowl H20         2 PT/A         81 a         94 a         97 a         96 a         98 a           17 Prowl H20         2 PT/A         0 e         13 ef         16 f         1 h         6 e           18 Prowl H20         2 PT/A         0 e         0 f         0 g         0 h         0 e           6 leaf application <td>9</td> <td>Outlook</td> <td>8</td> <td>OZ/A</td> <td>0 e</td> <td>0 f</td> <td>0 g</td> <td>0 h</td> <td>0 e</td>	9	Outlook	8	OZ/A	0 e	0 f	0 g	0 h	0 e
11 Outlook       16 OZ/A       0 e       25 d       51 d       54 f       73 c         12 Outlook       16 OZ/A       0 e       0 f       0 g       0 h       0 e         6 leaf application       1 PT/A       74 a       88 a       95 a       93 ab       94 ab         13 Prowl H20       1 PT/A       74 a       88 a       95 a       93 ab       94 ab         PRE Application       1 PT/A       0 e       4 f       3 g       3 h       3 e         15 Prowl H20       1 PT/A       0 e       0 f       0 g       0 h       0 e         16 Prowl H20       2 PT/A       81 a       94 a       97 a       96 a       98 a         17 Prowl H20       2 PT/A       0 e       13 ef       16 f       11 h       6 e         18 Prowl H20       2 PT/A       0 e       0 f       0 g       0 h       0 e         6 leaf application       0 e       0 f       0 g       0 h       0 e         19 Non-treated control       0 e       0 f       0 g       0 h       0 e         20 Non-treated control       0 e       0 f       0 g       0 h       0 e         20 CV       32.87       25.77	10	Outlook	16	OZ/A	50 cd	68 b	85 b	81 cd	84 bc
12 Outlook       16 OZ/A       0 e       0 f       0 g       0 h       0 e         6 leaf application       1 PT/A       74 a       88 a       95 a       93 ab       94 ab         13 Prowl H20 PRE Application       1 PT/A       0 e       4 f       3 g       3 h       3 e         14 Prowl H20 I leaf application       1 PT/A       0 e       0 f       0 g       0 h       0 e         15 Prowl H20 E leaf application       2 PT/A       81 a       94 a       97 a       96 a       98 a         16 Prowl H20 PRE Application       2 PT/A       0 e       13 ef       16 f       11 h       6 e         18 Prowl H20 E leaf application       2 PT/A       0 e       0 f       0 g       0 h       0 e         18 Prowl H20 E leaf application       2 PT/A       0 e       0 f       0 g       0 h       0 e         19 Non-treated control       0 e       0 f       0 g       0 h       0 e         20 Non-treated control       0 e       0 f       0 g       0 h       0 e         LSD (P=.05)       8.6       10.8       9.3       11.1       12.5         Standard Deviation       6.1       7.7       6.6       7.8       8.9 <td>11</td> <td>Outlook</td> <td>16</td> <td>OZ/A</td> <td>0 e</td> <td>25 d</td> <td>51 d</td> <td>54 f</td> <td>73 c</td>	11	Outlook	16	OZ/A	0 e	25 d	51 d	54 f	73 c
PRE Application         0 e         4 f         3 g         3 h         3 e           14 Prowl H20	12		16	OZ/A	0 e	0 f	0 g	0 h	0 е
1 leaf application       0 e       0 f       0 g       0 h       0 e         15 Prowl H20 6 leaf application       2 PT/A       81 a       94 a       97 a       96 a       98 a         16 Prowl H20 PRE Application       2 PT/A       0 e       13 ef       16 f       11 h       6 e         17 Prowl H20 1 leaf application       2 PT/A       0 e       0 f       0 g       0 h       0 e         18 Prowl H20 2 PT/A 6 leaf application       2 PT/A       0 e       0 f       0 g       0 h       0 e         19 Non-treated control       0 e       0 f       0 g       0 h       0 e         20 Non-treated control       0 e       0 f       0 g       0 h       0 e         LSD (P=.05)       8.6       10.8       9.3       11.1       12.5         Standard Deviation       6.1       7.7       6.6       7.8       8.9         CV       32.87       25.77       16.94       20.14       20.89         Bartlett's X2       3.458       11.534       33.865       37.111       54.397	13		1	PT/A	74 a	88 a	95 a	93 ab	94 ab
6 leaf application       81 a       94 a       97 a       96 a       98 a         16 Prowl H20 PRE Application       2 PT/A       0 e       13 ef       16 f       11 h       6 e         17 Prowl H20 I leaf application       2 PT/A       0 e       0 f       0 g       0 h       0 e         18 Prowl H20 E leaf application       2 PT/A       0 e       0 f       0 g       0 h       0 e         19 Non-treated control       0 e       0 f       0 g       0 h       0 e         20 Non-treated control       0 e       0 f       0 g       0 h       0 e         LSD (P=.05)       8.6       10.8       9.3       11.1       12.5         Standard Deviation       6.1       7.7       6.6       7.8       8.9         CV       32.87       25.77       16.94       20.14       20.89         Bartlett's X2       3.458       11.534       33.865       37.111       54.397	14		1	PT/A	0 e	4 f	3 g	3 h	3 e
PRE Application         0 e         13 ef         16 f         11 h         6 e           17 Prowl H20         2 PT/A         0 e         13 ef         16 f         11 h         6 e           18 Prowl H20         2 PT/A         0 e         0 f         0 g         0 h         0 e           6 leaf application         0 e         0 f         0 g         0 h         0 e           19 Non-treated control         0 e         0 f         0 g         0 h         0 e           20 Non-treated control         0 e         0 f         0 g         0 h         0 e           LSD (P=.05)         8.6         10.8         9.3         11.1         12.5           Standard Deviation         6.1         7.7         6.6         7.8         8.9           CV         32.87         25.77         16.94         20.14         20.89           Bartlett's X2         3.458         11.534         33.865         37.111         54.397	15		1	PT/A	0 e	0 f	0 g	0 h	0 e
1 leaf application       0 e       0 f       0 g       0 h       0 e         18 Prowl H20       2 PT/A       0 e       0 f       0 g       0 h       0 e         6 leaf application       0 e       0 f       0 g       0 h       0 e         20 Non-treated control       0 e       0 f       0 g       0 h       0 e         LSD (P=.05)       8.6       10.8       9.3       11.1       12.5         Standard Deviation       6.1       7.7       6.6       7.8       8.9         CV       32.87       25.77       16.94       20.14       20.89         Bartlett's X2       3.458       11.534       33.865       37.111       54.397	16		2	PT/A	81 a	94 a	97 a	96 a	98 a
6 leaf application       0 e       0 f       0 g       0 h       0 e         19 Non-treated control       0 e       0 f       0 g       0 h       0 e         20 Non-treated control       0 e       0 f       0 g       0 h       0 e         LSD (P=.05)       8.6       10.8       9.3       11.1       12.5         Standard Deviation       6.1       7.7       6.6       7.8       8.9         CV       32.87       25.77       16.94       20.14       20.89         Bartlett's X2       3.458       11.534       33.865       37.111       54.397	17		2	PT/A	0 e	13 e	16 f	11 h	6 e
20 Non-treated control         0 e         0 f         0 g         0 h         0 e           LSD (P=.05)         8.6         10.8         9.3         11.1         12.5           Standard Deviation         6.1         7.7         6.6         7.8         8.9           CV         32.87         25.77         16.94         20.14         20.89           Bartlett's X2         3.458         11.534         33.865         37.111         54.397	18		2	PT/A	0 e	0 f	0 g	0 h	0 e
20 Non-treated control         0 e         0 f         0 g         0 h         0 e           LSD (P=.05)         8.6         10.8         9.3         11.1         12.5           Standard Deviation         6.1         7.7         6.6         7.8         8.9           CV         32.87         25.77         16.94         20.14         20.89           Bartlett's X2         3.458         11.534         33.865         37.111         54.397	19	Non-treated control			0 e	0 f	0 g	0 h	0 e
LSD (P=.05)     8.6     10.8     9.3     11.1     12.5       Standard Deviation     6.1     7.7     6.6     7.8     8.9       CV     32.87     25.77     16.94     20.14     20.89       Bartlett's X2     3.458     11.534     33.865     37.111     54.397	20	Non-treated control				0 f		0 h	
Standard Deviation       6.1       7.7       6.6       7.8       8.9         CV       32.87       25.77       16.94       20.14       20.89         Bartlett's X2       3.458       11.534       33.865       37.111       54.397									
CV       32.87       25.77       16.94       20.14       20.89         Bartlett's X2       3.458       11.534       33.865       37.111       54.397									
Bartlett's X2 3.458 11.534 33.865 37.111 54.397		= 571011011							
		lett's X2							
	P(Ba	artlett's X2)							

Crop Code	ALLCE	ALLCE	ALLCE	ALLCE	ALLCE
Rating Data Type	Injury	Injury	Injury	Injury	Injury
Rating Unit	%	%	%	%	%
Rating Date	Nov-06-06	Nov-25-06	Dec-11-06	Dec-19-06	Feb-13-07
Crop Stage	1 leaf	1-2 leaf	2 leaf	3 leaf	5 leaf
Assessed By	AWM	AWM	AWM	AWM	AWM
Trt-Eval Interval	26 DA-A	19 DA-B	35 DA-B	43 DA-B	99 DA-B

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

	Seeded onion re	esponse to Dual Magnum, Outlook, and	d Prowl H20.
Trial ID: Vegl-	-07	Study Dir.: Stanley Culpepper	
Location: VORF		Investigator: Stanley Culpepper	
	GENERAL TI	RIAL INFORMATION	
Study Director:	: Andrew MacRae	Title: Ext. Weed	Science
_	Univ. of Georgia		
Postal Code:			
Investigator:	Stanley Culpepper	Title: Ext. Weed	Science
Affiliation:	Univ. of Georgia		
Postal Code:			
		AL LOCATION	
City: V	idalia	Trial Status:	
State/Prov.: GA	A	Trial Reliability:	
Postal Code: _			Oct-11-06
Country: US		Planned Completion Date:	
		N-Latitude of LL Corner °:	
	Corner: Unit	t: Angle y-axis to North °:	
Directions:			
	COOPER	AMOD /I ANDOUBLED	
Cooperatore	COOPERA	ATOR/LANDOWNER	
Cooperator: _		Country:	
Org: Address 1:		Phone No:	
Address 1: Address 2:		Fax No:	
City:			
_			
Postal Code: _			
	<del></del> -		
Conducted Under	r GLP (Y/N): N	Conducted Under GEP (Y/N): N	
		Description:	
_			
Objective: To	determine seeded on:	ion response to Dual Magnum, Outlool	k, and Prowl H20.
		2 , , , , , , , , , , , , , , , , , , ,	
Conclusions:			
	CROP AND W	WEED DESCRIPTION	
i i			

Weed	Code	Common Name	Scientific Name
1.	OEOLA	Cutleaf eveningprimrose	Oenothera laciniata
2.	CARHI	Hairy bittercress	Cardamine hirsuta
3.	COPDI	Swinecress	Coronopus didymus (L.) Sm.
4.	SINAR	Wild mustard	Sinapis arvensis

Crop 1: ALLCE ONION, DRY BULB Variety: Century Planting Date: Oct-11-06 Planting Method: SEEDED Rate: 87120 S/A Depth: 0.25 IN Perennial Age:

Row Spacing: 15 IN Spacing Within Row: 4 IN Seed Bed: COARSE Soil Temperature: 79 F Soil Moisture: Moist Emergence Date: Oct-18-06

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 20 FT Reps: 4

Site Type: Vidialia Onion Research Center

Tillage Type: Conventional Study Design: FACTORIAL

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.			

#### MAINTENANCE

Field Prep./Maintenance: Irrigation was applied 2 days prior to the land being rototilled and the beds being formed. Following bed forming, onions were immediately seeded using a Monosem vacuum assisted planter. Dacthal at 4 pts/A was applied immediately following seeding. Irrigation (0.25 inches) was applied within 2 hours of planting. Irrigation was applied twice daily at a rate of 0.25 inches per application. A second application of Dacthal at 4pts/A was made 9 days later (10-20-06) followed by irrigation. Goal 2XL at 2 oz/A was applied to 1 lf onion on 6-10-06 to control the cutleaf evening primrose that escaped the Dacthal treatments.

\_\_\_\_\_ Distance: \_\_\_\_ Unit: \_\_

No.	Date		Mainte: Treatme:		Form Conc	Form Unit	Form Type	Rate	Rate Unit
1.									
				SOTI	DESCRIPTION				
Sar	nd: 86	% OM:	0.47	_	cexture: 1	oamv san	d		
		pH:			Soil Name: _				
cla	ay: 4			F	ert. Level: _				
		Element	ADDIT:	IONAL	MEASURED ELE		iit		
		Element	ADDIT	IONAL	Ī		it		
		Element			Ī	Un	it		
	Date	Element		MOISTU	Quantity  JRE CONDITIONS	Un			Interval Un

#### APPLICATION DESCRIPTION

		A	]	В
Application Date:	Oct-	11-06	Nov-	06-06
Time of Day:	13:3	0	09:0	0
Application Method:	SPRA	Y	SPRA	Y
Application Timing:	PRE		1 lea	af
Applic. Placement:	Soil		Soil	
Air Temp., Unit:	81	F	66	F
% Relative Humidity:	59		71	
Wind Velocity, Unit:	4	mph	4	mph
Dew Presence (Y/N):	N		N	
Water Hardness:				
Soil Temp., Unit:	79	F	65	F
Soil Moisture:	Mois	t	Mois	t
% Cloud Cover:	5		15	

Closest Weather Station:

#### CROP STAGE AT EACH APPLICATION

	A	В
Crop 1 Code, Stage:	ALLCE .	ALLCE .
Stage Scale:	Not emerg	1 leaf
Height, Unit:		

#### WEED STAGE AT EACH APPLICATION

	HEED DIIICE I	I BACH AFFIICALI
	A	В
Weed 1 Code, Stage:	OEOLA .	OEOLA most coty
Stage Scale:	Not emerg	cotyl-21f
Density, Unit:		3 FT2
Weed 2 Code, Stage:	CARHI .	CARHI most coty
Stage Scale:	Not emerg	cotyl-41f
Density, Unit:		4 FT2
Weed 3 Code, Stage:	COPDI .	COPDI most coty
Stage Scale:	Not emerg	cotyl-21f
Density, Unit:		2 FT2
Weed 4 Code, Stage:	SINAR .	SINAR most 41f
Stage Scale:	Not emerg	cotyl-6lf
Density, Unit:		5 FT2

### APPLICATION EQUIPMENT

		A		В
Appl. Equipment:	backpack		backpack	
Operating Pressure:	24		24	
Nozzle Type:	flat	fan	flat	fan
Nozzle Size:	11002	2	11002	2
Nozzle Spacing, Unit:	18	in	18	in
Nozzles/Row:	1		1	
Band Width, Unit:				
Boom Length, Unit:	4.5	feet	4.5	feet
Boom Height, Unit:	15	inch	15	inch
Ground Speed, Unit:	3	mph	3	mph
Incorporation Equip.:				
Hours to Incorp.:				
Incorp. Depth, Unit:				
Carrier:	wate	r	wate	r
Spray Volume, Unit:	14.8	GPA	14.8	GPA
Spray pH:				·
Propellant:	CO2		CO2	
Tank Mix (Y/N):	N		N	

Trt No	Treatment Application Comment