

## Standard Foliar Fungicides-Late Blight (1300 Series)

- Location:** Prosper, ND
- Plot design:** 4 rows X 25 ft. X 4 reps; RCBD; All four rows sprayed  
All data collected from center two rows
- Planting date:** May 24, 2010
- Row width:** 36 inches
- Plant spacing:** 12 inches
- Cultivar:** Red LaSoda
- Fertilizer:** 240 lb/a, 32-10-10, banded at planting
- Herbicide:** Treflan (1.5 pt/a); pre-plant incorporated; May 16  
Prowl (2 pt/a) + Matrix (1.5 oz/a); June 7
- Insecticide:** Admire Pro (8.7 fl. oz/a) in-furrow at planting  
Kaiso (2 oz/a) August 16
- Inoculation Dates:** July 22, 23, August 2
- Inoculation Method:** Using a hand sprayer (garden type), a suspension of late blight inoculum ( $1 \times 10^4$  zoospores/ml) was sprayed onto the foliage in the center of each 8 row block in each replication.
- Late Blight observed:** August 2
- Fungicide application dates:** July 9  
July 16  
July 22  
July 30  
August 6  
August 16  
August 19  
August 28
- Fungicide application method:** Fungicides were applied using a converted ATV (55 psi; 73 gpa; 11005XR nozzles)
- Vinekill:** Reglone (2.0 pt/a) + Ad-Wet 90 Plus (1.0 pt/100 gal);  
September 30
- Harvest:** October 14, 22

## 2010 Standard Late Blight Fungicides - Prosper Series 1300

**Treatments 1302 - 1306, 1308 - 1311, 1313 - 1314 and 1316 - 1318 are confidential.**

Treatment	Rate	Schedule	Interval	Late Blight (% Severity)					AUDPC	RAUDPC
				8/6	8/16	8/23	8/31	9/7		
1301 Non-treated	-	-	-	5.0	21.3	45.0	65.0	92.5	1371.9	0.327
1307 Bravo WS	1.5 pt / a	1,3	7 day	0.3	4.8	6.0	18.8	41.3	372.5	0.089
Manzate	2.0 lb / a	2,4								
Gavel 75 DF	2.0 lb / a	5-8								
1312 Bravo WS	1.5 pt / a	1-3,5	7 day	0.3	1.5	4.3	7.5	17.5	164.3	0.039
Gavel	2.0 lb / a	4,6,7,8								
1315 Bravo WS	1.5 pt / a	Full Season	7 day	0.8	3.0	5.0	10.0	28.8	245.0	0.058
1319 Manzate	2.0 lb / a	Full Season	7 day	1.3	2.8	10.0	27.5	51.3	494.6	0.118
1320 Bravo WS	1.5 pt / a	1,2,3	7 day	1.3	5.5	31.3	71.3	96.3	1163.0	0.277
Regalia	93 fl oz / A (1% v/v)	4 - 8								
1321 Bravo WS	1.5 pt / a	1	7 day	1.8	5.5	8.8	22.5	37.5	427.3	0.102
Phostrol	10.0 pt / a	2-8								
1322 Bravo WS	1.5 pt / a	1,3,5,7	7 day	0.0	3.5	6.8	13.8	30.0	288.5	0.069
Phostrol	10.0 pt / a	2,4,6,8								
LSD <sub>P = 0.05</sub>				2.2	6.8	11.1	12.3	18.3		