

## 2014 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:** 9-Jun-14

**Row width:** 36 inches

**Plant spacing:** 12 inches

**Cultivar:** Red LaSoda

**Fertilizer:** 32-10-10 (350 lb/a); banded at planting

**Herbicide:** Treflan (1.5 pt/a); pre-plant incorporated

**Insecticide:** Admire Pro (8.7 oz/a); in-furrow at planting

**Inoculation Dates:** August 15, 18, 22

**Late Blight observed:** 22-Aug

**Inoculation Method:** Using a hand sprayer (garden type),  
a suspension of late blight inoculum (1X10<sup>4</sup> zoospores/ml)  
was sprayed onto the foliage in the center  
of each 8 row block in each replication.

**Fungicide application dates:** 25-Jul  
29-Jul  
4-Aug  
12-Aug  
22-Aug  
28-Aug  
2-Sep  
12-Sep

**Fungicide application method:** Fungicides were applied using a converted ATV  
(55 psi; 73 gpa; 11005XR nozzles)

**Vinekill:** Hard Frost; October 4

**Harvest:** 25-Oct

## 2014 Standard Foliar Late Blight Fungicides - Prosper Series 1300

\* Treatment 1305 is confidential.

Treatment	Rate	Schedule	Interval	Foliar Disease (% Severity)				AUDPC	Total yield (cwt/a)	
				28-Aug	5-Sep	12-Sep	19-Sep			
1301	Non-treated	-	-	-	2.3	22.5	97.8	100.0	1212.0	316.9
1302	Ranman + Silwet L77	2.75 fl oz / a + 2.0 fl oz / a	Full season	7 day	1.5	2.8	5.5	25.0	152.6	532.6
1303	Mildicut	40.0 fl oz / a	Full season	7 day	2.0	3.5	11.3	38.8	248.6	533.9
1304	Mildicut	30.0 fl oz / a	Full season	7 day	2.3	6.3	16.3	38.8	305.3	471.7
<b>1305</b>	Confidential				2.3	3.3	4.3	25.0	150.6	548.5
1306	Bravo WS Dithane	1.5 pt / a 2 lb / a	1,3,5,7 2,4,6,8	7 day	1.3	2.8	10.0	37.5	226.9	503.2
1307	Bravo WS Dithane Gavel	1.5 pt / a 2 lb / a 2 lb / a	1,3 2,4 5 - 8	7 day	1.3	3.0	7.5	30.0	185.0	511.8
1308	Bravo WS Dithane Revus Top Gavel Omega Supertin 4L + Dithane	1.5 pt / a 2 lb / a 7.0 fl oz / a 2 lb / a 5.5 fl oz / a 3.0 fl oz / a + 2 lb / a	1 2 3,5 4,6 7 8	7 day	1.5	2.5	4.8	27.5	154.3	509.5
LSD <sub>p&gt;0.05</sub>					NS	3.87	6.84	15.42	94.33	47.20

# 2014 Standard Foliar Late Blight Fungicides Prosper Series 1300



Rep IV

1306	1307
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1308	1301
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1304	1305
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1302	1303
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Rep III

1304	1301
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1302	1305
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1306	1303
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1308	1301
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Rep II

1308	1303
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1306	1307
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1302	1301
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1304	1305
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Rep I

1302	1305
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1304	1303
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1308	1301
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1306	1301
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