

July 31, 2017

Welcome to the NDSU Potato Blightline sponsored by Syngenta Crop Protection.

Current recommendations:

Late blight has been confirmed in a commercial potato field in Pembina County, ND. The genotype is US23. Additional late blight has been reported in Walsh County, ND and Nelson County, ND. Because of the widespread findings of late blight, we recommend that all potato fields in northeastern ND should be thoroughly scouted for the presence of late blight. Growers in areas where late blight is present should apply a specialty fungicide with strong activity against late blight, such as Orondis, Revus Top or Ranman, Omega or Gavel.

All areas bordering the Red River Valley north of Interstate 94 have exceeded the late blight threshold value of 15. This indicates that conditions have been favorable for late blight infection if inoculum is present. Growers in this area should be scouting fields and applying fungicides, concentrating on areas of the field that stay wet longer such as along tree lines and low areas where water accumulates.

Please send suspect late blight samples to our lab so we can identify genotypes and monitor the spread and location of late blight. Remember that late blight is a community disease and to notify your neighbors if late blight is found.

Potato psyllids have been found in southcentral ND and fields should be scouted for this insect that transmits zebra chip. All psyllids collected so far have been negative for LSO, the bacterium that is the cause of zebra chip.

The accumulated late blight severity values as of today for the irrigated sites are:

| | | | | | |
|-----------|----|----------|---|-----------|----|
| Beach | 0 | Hofflund | 1 | Inkster | 22 |
| Karlsruhe | 7 | Linton | 5 | Mandan | 3 |
| Michigan | 22 | Minot | 1 | Oakes | 9 |
| Robinson | 5 | Tappen | 4 | Williston | 0 |

The accumulated late blight severity values as of today for the non-irrigated sites are:

| | | | | | |
|----------|----|-------------|----|--------------|----|
| Ada | 27 | Cando | 11 | Cavalier | 33 |
| Crary | 12 | Eldred | 40 | Forest River | 25 |
| Grafton | 23 | Grand Forks | 27 | Hillsboro | 33 |
| Humboldt | 31 | Perley | 29 | Rolla | 25 |
| Sabin | 23 | St. Thomas | 27 | Stephen | 34 |
| Warren | 40 | | | | |

Thank you for using the NDSU Blightline.

