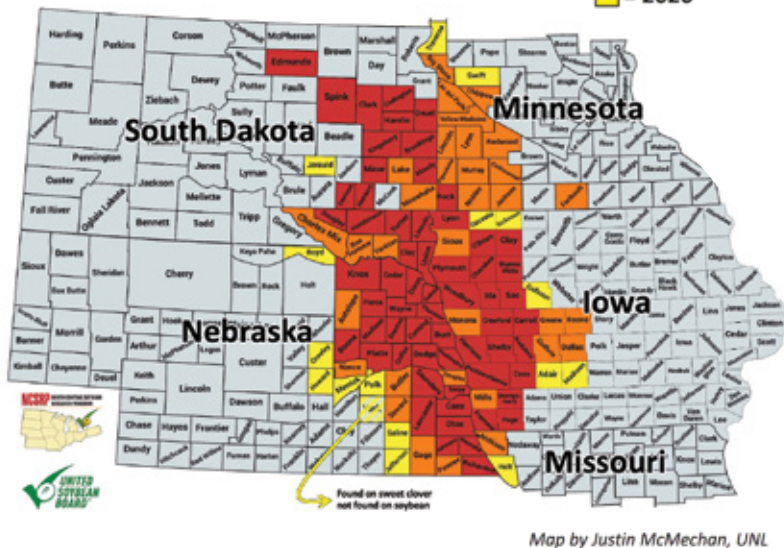
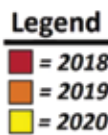


SOYBEAN GALL MIDGE – A NEW AND EMERGING PEST IN SOYBEANS

Soybean gall midge is an emerging soybean pest in parts of the Midwest. The map below indicates states and counties where the pest has been found.

Year that soybean gall midge was documented in county



Key Points About the Soybean Gall Midge

- Cocoon stage overwinters in soybean field soil, top 1.5 inch depth
- Adults emerge from the soil in June, fly to nearby soybean fields
- Eggs are laid in stem cracks and fissures of V2+ soybean plants near the soil surface
- Larvae emerge from eggs to feed inside soybean stems
- Stem feeding damage impedes water and nutrient movement up the plant causing reduced growth, wilting, weakened stems, stem breakage (in feeding zone), premature death and yield loss.
- Up to three generations per year

Soybean gall midge damage is more severe in the first 60 to 120 feet of field edges due to movement patterns from adjacent, previous year soybean fields where overwintering occurs.



Photo by Steinbeck and Sons, Inc.



Photo by Justin McMechan

Late-stage soybean gall midge larvae (orange in color) have proven difficult to control with foliar insecticides because they are protected inside the stem.

Additional information on soybean gall midge identification, distribution, plant injury and management is available from university entomologists at soybeangallmidge.org.

See our entire line of products at AMVAC.com

Thimet 20-G® as a Management Tool for the Emerging Soybean Pest – Soybean Gall Midge

Thimet 20-G® has provided strong suppression of soybean gall midge in university research and AMVAC® on-farm trials due to its systemic activity. An at-plant application of **Thimet 20-G** is absorbed by soybean roots and translocated throughout the plant where newly hatched SGM larvae feed on tissue. The presence of insecticide in stem tissue is the key feature that makes **Thimet 20-G** the only at-planting insecticide available that provides effective soybean gall midge suppression. **Thimet 20-G** more effectively suppresses early-season and mid-season larval feeding than later season feeding.

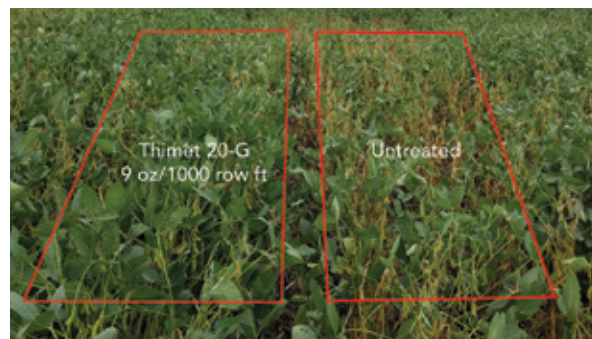
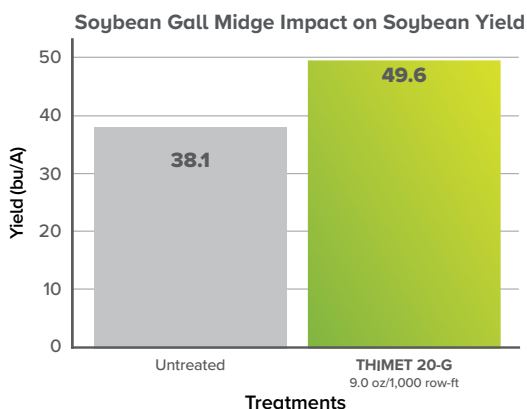


Photo by AMVAC (Rich Porter)

*Trial conducted by Eastern Nebraska Research and Extension Center entomologist Justin McMechan in a commercial field near Davey, NE. SGM damage in untreated plots resulted in 13.4 bu/acre soybean yield vs. 38.0 bu/acre with **Thimet 20-G** at 9 oz/1,000 row ft.*



Photo by Justin McMechan, Crop Protection and Cropping Systems Specialist, University of Nebraska-Lincoln



Yield averaged over four 2020 field trials conducted by University of Nebraska near Davey, Greenwood, Memphis and Plattsmouth, NE.

Overview of the Application Information from the 2(ee) Recommendation.

Crop	Pest	Thimet 20-G Rate	Application
Soybean	Soybean Gall Midge Larvae	9.0 oz per 1,000 row ft on 30-inch minimum row spacing or no more than 9.8 lb/A	Apply granules in a T-band over the row directly behind the planter shoe and in front of the press wheel, ensuring granules are lightly incorporated into soil.

Herbicide Use Precautions:

Caution is recommended with use of **Thimet 20-G** in conjunction with saflufenacil- or chlorimuron-containing herbicides as safety to soybean has not been tested. Metribuzin-containing herbicides applied prior to or following **Thimet 20-G** applied at planting may result in crop injury. For herbicide use in conjunction with **Thimet 20-G**, consult the herbicide label for any crop safety precautions prior to or following use of a soil-applied systemic organophosphate insecticide.

Restrictions:

Do not make more than one application of **Thimet 20-G** per year.
Do not place **Thimet 20-G** granules in direct contact with seed.

Crop Rotation:

Any crop on the **Thimet 20-G** label can be replanted immediately. All other crops not labeled can be planted at nine months after application.

Granular insecticide application equipment is required for application of **Thimet 20-G**. It is available in Lock'N Load® (LNL) and SmartBox® containers which are compatible with most granular application systems.

- LNL lids and valves are available to allow fill into most conventional granular insecticide application equipment.
- SmartBox containers will allow application through Legacy SmartBox Systems as well as new SmartBox+™ application equipment.

FIFRA 2(ee) Use Directions for Application in Soybean for the Suppression of Soybean Gall Midge is available in the states of IA, KS, MN, MO, NE, ND and SD. This 2(ee) recommendation is available at AMVAC.com.

See our entire line of products at AMVAC.com