

# Watch for soybean aphids

How the soybean aphid became a serious pest threat to soybean producers and how to fight it

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Since 2000, when it was discovered in the Midwest, the soybean aphid has quickly become a serious pest threat to soybean producers. The soybean aphid uses sucking, needlelike mouthparts to feed on plant juices.

## Damage caused by soybean aphids

In large numbers, soybean aphids can reduce plant vigor and growth. Visual signs of soybean aphid damage may include leaf puckering, as well as reduced pod and seed counts.

Damage severity varies widely depending on pressure. It can be exacerbated by other stressors on the soybean plant, especially during drought conditions. Soybean aphids are most likely to appear during the primary soybean reproductive growth stages, typically from June through August in the Midwest.

## Scouting for soybean aphids

In favorable conditions, aphid populations can proliferate quickly. Aphid movement is often sporadic and difficult to predict, so diligent scouting is important. Consider the following scouting tips:

- Sample for soybean aphids beginning when aphids are first noted in fields. Sampling should include whole-plant counts of 20 to 30 plants per field with a threshold of 250 aphids per plant.
- Look for aphids colonizing the stem of the plant (an inferior quality food source versus leaves). This is likely an indicator that populations of 400 aphids or more are present. Treatment is recommended.
- Watch for beneficial organisms (Asian lady beetles and lacewings) that serve to regulate soybean aphid populations. Consider the presence of beneficials in treatment recommendations.

## How to fight soybean aphids

Transform® WG insecticide from Corteva Agriscience is proven effective for controlling soybean aphids. Transform is a distinctive new chemistry with a unique mode of action that controls pests that might be resistant to other insecticides.

Once producers spray plants, the foliar-applied translaminar activity of Transform moves from the surface to the inside of the leaf, where it will move within to protect the entire treated leaf. Transform provides superior control of soybean aphids via direct contact and ingestion.

In addition to excellent control and proven residual protection, one of the biggest advantages of Transform is the minimal impact of the chemistry on beneficial insects when compared with pyrethroids and other classes of insecticide products. When applied as directed, Transform WG insecticide allows predatory insect populations to remain intact to control spider mites.

The superior control of Transform at a low use rate (0.75 ounce per acre) makes it a cost-effective treatment control option for growers. Transform also is tank-mix-compatible with most commonly used crop protection products, including nutrients, adjuvants, herbicides and fungicides.



For more information about Transform, visit [TransformMySoybeans.com](https://www.TransformMySoybeans.com) or talk with your Corteva Agriscience sales representative.

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