

Transform® WG

Isoclast™ active

INSECTICIDE

Recommendations for Alfalfa

Transform® WG insecticide is a novel sulfoximine insecticide with a unique mode of action for control of sap-feeding insect pests. Transform WG controls all aphid species which infest alfalfa, including blue aphid, cowpea aphid, pea aphid and spotted alfalfa aphid.

The active ingredient, sulfoxaflor, is from a new chemical class, called the sulfoximines. It has a unique mode of action to control pests resistant to other major chemical classes, such as neonicotinoids, organophosphates and pyrethroids. Sulfoxaflor exhibits complex and unique interactions with the insect nicotinic acetylcholine receptors (nAChR) that are distinct from those observed with other insecticides.

Transform WG is not a neonicotinoid and all available data indicates insect pests resistant to other insecticide classes are not resistant to Transform WG.

Features and benefits

- Class leading control of aphid species in alfalfa
- Effective at a low use rates
- Unique mode of action
- Excellent fit in IPM programs
- Valuable rotational partner with other chemistries
- Exhibits no cross-resistance to insect pests resistant to neonicotinoids
- Minimal impact on beneficial insects

Application rates *Alfalfa*

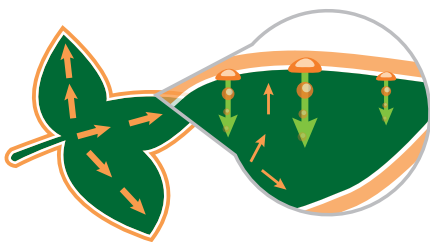
Pests	Transform WG (oz/acre)
Blue aphid Cowpea aphid Pea aphid Spotted alfalfa aphid	0.75 – 1.0
Tarnished plant bug Western tarnished plant bug	2.75

Alfalfa restrictions

- Pre-harvest interval: Do not apply within 7 days of grazing, forage, fodder or hay harvest
- Minimum treatment interval: 7 days
- Do not make more than two applications per cutting
- Do not apply more than a total of 8.5 oz of Transform WG per acre per year



Systemic and translaminar properties provide excellent residual control

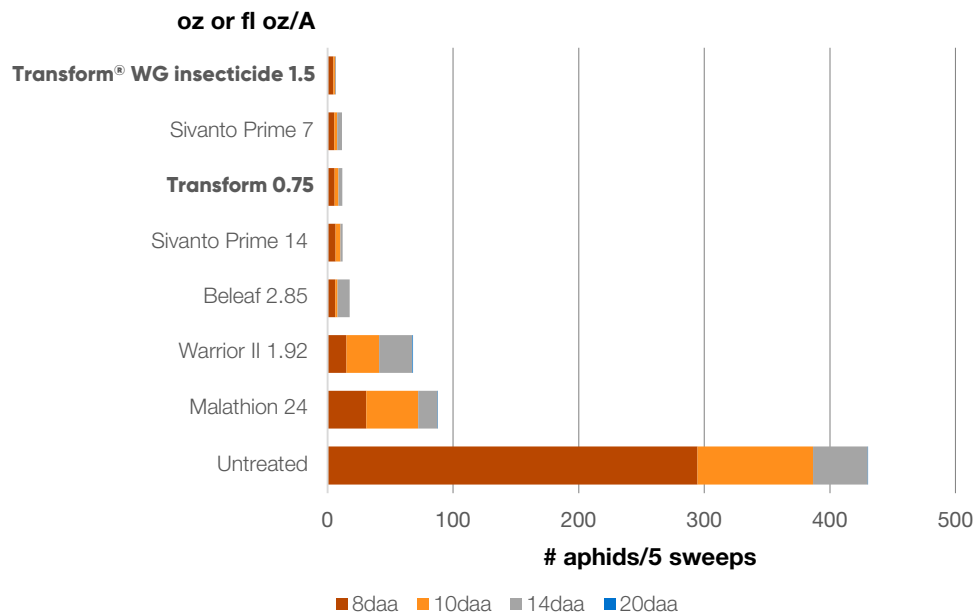


- Systemic Activity** - Moves upward through the plant xylem into new growth
- Translaminar Activity** - Moves from the surface of the leaf to inside the leaf

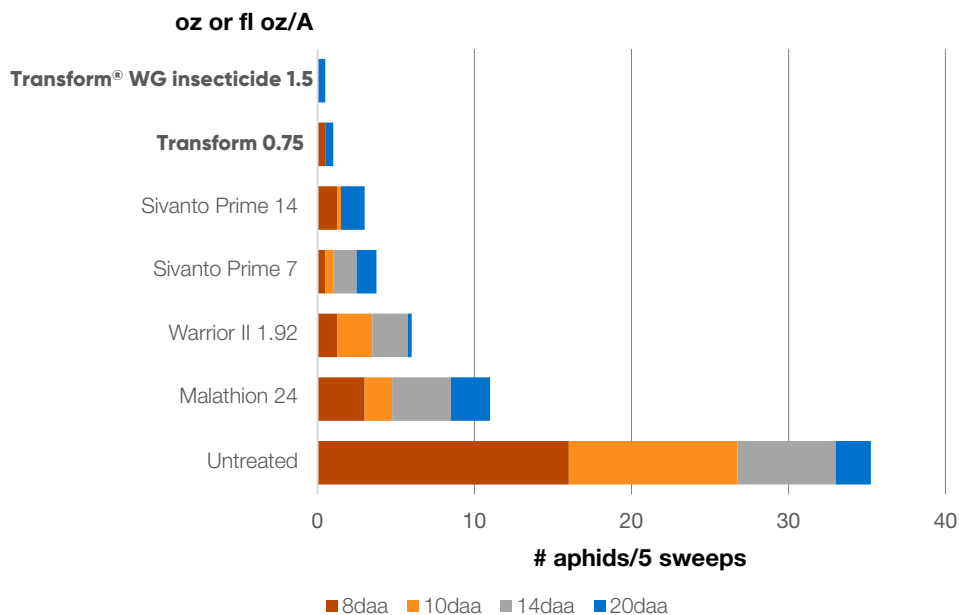
Registered by the U.S. EPA for use on:

Bulb vegetables	Pome fruits
Citrus	Root and tuber vegetables
Corn	Sorghum
Cucurbit vegetables	Soybean
Fruiting vegetables	Stone fruits
Low growing berry	Tree nuts

Efficacy of Transform® WG insecticide on Blue Alpha Aphid in Alfalfa (E. Natwick, Holtville, CA, 2017)



Efficacy of Transform® WG insecticide on Pea Aphid in Alfalfa (E. Natwick, Holtville, CA, 2017)



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