Sugar Mover

Boron (B) 8.00%**,** Molybdenum (Mo) 0.004% (with growth activators)

It is common for a plant to be driven in a growth mode, especially when high nitrate levels prevail. The sink for movement of food is often directed away from the fruit and roots and focussed on the growing point.

SUGAR MOVER contains boron chemistry that was issued a patent in the United States in 1997. The chemistry, which incorporates boron allows the grower to use relatively high rates of boron, without phytotoxicity occurring to plants. Since boron controls the half-life of some auxins in the plant, the higher boron rates in conjunction with the chemistry of Sugar Mover increases the total auxin content in the plant. This technique can be used to significantly influence the growth physiology of any plant."

SUGAR MOVER is designed to help maintain hormone balance in a crop that uses high levels of nitrogen; to increase fruit, seed and storage tissue uniformity…uniform sizing; to move carbohydrates out of leaves to the roots, storage tissue, seeds or fruit; to reduce excessive vegetative growth; to help increase disease resistance and to prepare crops for harvest.

SUGAR MOVER is a convenient, effective alternative to soluble boron with the added benefit of molybdenum to promote conversion of nitrate nitrogen onto more metabolically functional forms.

SUGAR MOVER shorten the inner nodes and increases the lateral branching on any crop.

SUGAR MOVER promotes nitrogen balance in two ways:

1. Boron enhances nitrogen utilization by improving sugar transport and metabolism, auxin metabolism, and seed and fruit development.
2. Molybdenum is essential for the initial conversion of nitrate nitrogen into nitrogen forms that contribute to higher yields rather than rank growth.

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Recommendations

► ***Sugar Mover* for Field Crops:**

Foliar spray 1 litre per hectare. Start application at 4 leaves stage.
Repeat every 7 to 10 days till harvest.

► ***Sugar Mover* for Fruit and Nuts:**

Foliar spray 1 litre per hectare. Start application when fruit begin to size.
Repeat every 7 to 10 days till harvest.

► ***Sugar Mover* for Evergreen trees (Citrus, Olives and Mangoes):**

Foliar spray 1 litre per hectare. Start application when fruit begin to size.
Repeat every 7 to 10 days till harvest.

► ***Sugar Mover* for Turf:**

Foliar spray 1 litre per hectare. Repeat every 14 days.

► ***Sugar Mover* for Crop Preparation For Harvest:**

In order to promote sugar movement from leaves to storage tissue, hormones at the growing point must be reduced. The use of ***SUGAR MOVER*** is only important if plants are not naturally senescing before harvest.

- **Asparagus:** 5 ltrs/ha (foliar) 3 weeks before cutting fern.
- **Potatoes:** 5 ltrs/ha (foliar) 2½ to 3 weeks before killing.
  If vines are not killed, apply 3 weeks before harvest.
- **Onion, Garlic, Carrots:** 5 ltrs/ha acre 3 weeks before harvest.
- **Sugar Beets:** 5 ltrs/ha when plants should normally be senescing.
- **Cotton:** 5 ltrs/ha 2½ to 3 weeks before defoliation.
- **Corn:** 2.5 ltrs/ha 15 days before tasseling.
- **Soybeans:** 2.5 ltrs/ha at bloom before pods appear.

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- **Wheat:** 2.5 ltrs/ha 15 days before the seed head appears.
- **Alfalfa:** 2.5 ltrs/ha 8 days before cutting.
- **Canola:** 2.5 ltrs/ha at flowering before pods appear.
- **Canning Tomatoes:** 5 ltrs/ha 14 days before harvest.
- **Apples, Cherries, Peaches:** 2.5 ltrs/ha 14 days, 7 days and 4 days before harvest.

NOTICE:

When using ***SUGAR MOVER*** in your crop program, do not use any other source of boron.

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