TORAC® Insecticide has a unique mode of action delivering high efficacy on onion thrips and western flower thrips. A fast-acting contact insecticide, Torac also aids in reducing the transmission of Iris Yellow Spot Virus (IYSV). TORAC is an excellent rotational tool to manage resistance in spray programs for onions.

**Key Benefits**
- Unique mode of action insecticide for the control of thrips in onions – IRAC Group 21A Insecticide which works by inhibiting cellular respiration
- Effective on immature and adult stages
- Reduces the transmission of IYSV by rapid stop-feeding activity of onion thrips
- Addition of Torac to standard spray programs has been shown to protect yields
- Excellent resistance management tool – ideal rotational chemistry or tankmix partner with spirotetramat or methomyl

**Key Pests Controlled**
*Thrips tabaci* (Onion thrips) and *Frankliniella occidentalis* (Western flower thrips)

**Use Recommendations**
- Use Rate: 24 fl oz/Acre
- Application Method: ground, air, chemigation
- Minimum Spray Volume: 20 gallons of water per acre by ground; 5 gallons of water per acre by air. Refer to product label for chemigation recommendations.

**Use Information**
- Torac is a contact insecticide. Proper application and coverage is critical for maximizing pest control.
- Apply with an adjuvant/spreader to optimize uniformity of coverage and performance.
- Maximum Applications: 3 applications per year
- Maximum Dosage: 72.0 fl oz per acre per year
- Reentry Interval (REI): 12 hours
- Preharvest Interval (PHI): 7 days

Refer to the global MRL database for current established tolerances. https://www.globalmrl.com/db#query

See reverse for additional information >
Efficacy of Torac in Onions

### Efficacy of Torac on Onion Thrips
**Seasonal Number of Thrips Per 5 Plants**

- **Untreated**
- **Movento 5 oz**
- **Mustang 4 oz**
- **Lannate LV 36 oz**
- **Radiant SC 8 fl oz**
- **Torac 24 fl oz**

2 applications; 16-day interval

Eric Natwick, UCCE, Holtville, CA

### Percent Iris Yellow Spot Virus (IYSV) Incidence in Onion

- **Untreated**
- **Movento 5 oz**
- **Lannate LV 36 oz**
- **Radiant SC 8 fl oz**
- **Mustang 4 oz**
- **Torac 24 fl oz**

Applications: Feb 6 and Feb 22

Eric Natwick, UCCE, Holtville, CA

### Rotational Insecticide Program Yield (CWT) Comparison

- **Check**
- **2: Movento HL x2/Radiant x2/Lannate x2**
- **3: Movento HL x2/Radiant x2/Lannate x2**
- **4: Movento HL x2/Radiant x2**
- **5: Movento HL+Torac/Radiant x2**

All replications except treatment #5 received six applications starting at the first sign of thrips. Treatment #5 commenced when pest pressure reached three thrips per plant and received 5 applications with Movento and Torac tank mixed in the first application. All commercial products were applied at recommended labeled rates for onion thrips.

Eric Jemmett, Treasure Valley, Idaho, 2017

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