California Lettuce
QUICK GUIDE

Bayer provides you with solutions to help grow high-quality lettuce, increase yields and continuously improve the marketability of your lettuce crop.

## RECOMMENDED APPLICATION TIMING

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<tr>
<th>Stage</th>
<th>Aphids, Whiteflies</th>
<th>Thrrips</th>
<th>Downy Mildew</th>
<th>Sclerotinia</th>
<th>Soil-Borne Diseases</th>
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<td>Admire Pro</td>
<td>MOVENTO</td>
<td>REASON</td>
<td>Serenade</td>
<td>Serenade ASO</td>
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<td>MOVENTO</td>
<td>Prévicur</td>
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<td>MOVENTO</td>
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- **Aphids, Whiteflies**: Build a strong aphid and whitefly program around the unique two-way systemic movement of MOVENTO®.
- **Thrrips**: Help ensure the quality of your lettuce by incorporating different insecticide modes of action to protect against thrips damage.
- **Downy Mildew**: Protect your crop with an effective fungicide program using these established and proven brands from Bayer.
- **Sclerotinia**: Add the newest performance standard, Luna Sensation® to your Sclerotinia control program.
- **Soil-Borne Diseases**: Use Serenade® ASO to support the development of strong root systems for your crop to help ensure high quality.

**SEED TRANSPLANT** | **EARLY DEVELOPMENT** | **EARLY ROSETTE** | **HEAD DEVELOPMENT** | **HARVEST**
Successfully manage crops all the way from seeding to harvest and sustain your business for years to come.

<table>
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<tr>
<th>Product</th>
<th>Key Pests/Diseases Controlled</th>
<th>Chemical Class Group No.</th>
<th>REI (hours)</th>
<th>PHI (days)</th>
<th>Use Rate</th>
<th>Rainfast</th>
<th>Applications</th>
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<tr>
<td>Bayer is a global specialist in the field of vegetable seeds. For more information regarding its U.S. lettuce seed varieties, please visit <a href="http://www.nunhemsusa.com">www.nunhemsusa.com</a> or call customer service at (800) 733-9505.</td>
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**SEEDS**

**Soil application**

- **Aphids**
  - Leathoppers
  - Thrips
  - Whiteflies
  - Neonicotinoids IRAC Group 4A
  - 12
  - 21
  - 4.4 to 10.5 fl. oz./A
  - N/A
  - In-furrow, shank, sidedress, banded, drench or chemigation/drip applications

- **Foliar application**
  - **Aphids**
    - Flea beetles
    - Leathoppers
    - Whiteflies
    - Neonicotinoids IRAC Group 4A
    - 12
    - 7
    - 1.3 fl. oz./A
  - Once dry on leaf surface
  - Ground or aerial

- **Corn earworms**
  - Leathoppers
  - Loopers
  - Pyrethroids IRAC Group 3
  - 12
  - 0
  - 0.8 to 3.2 fl. oz./A
  - N/A
  - Min. 10 gal./A ground, 5 gal./A air or chemigation

**INSECTICIDES/MITICIDES**

**Soil application**

- **Aphids**
  - Leathoppers
  - Whiteflies
  - Neonicotinoids IRAC Group 4A + Pyrethroids IRAC Group 3
  - 12
  - 7
  - 3 fl. oz./A
  - N/A
  - Ground, air or chemigation

- **MOVENTO**
  - Aphids
  - Whiteflies
  - Tetramic acids IRAC Group 23
  - 24
  - 3
  - 4 to 5 fl. oz./A
  - 2 hours
  - Min. 15 gal./A ground, 5 gal./A air

- **Obertan**
  - Whiteflies
  - Tetramic acids IRAC Group 23
  - 12
  - 7
  - 7 to 8.5 fl. oz./A
  - Once dry on leaf surface
  - Min. 10 gal./A ground, 5 gal./A air or chemigation

**Leafminers (suppression)**

- **Leathoppers**
  - Whiteflies
  - Terpenoid blend
  - 4
  - 0
  - 3 to 4 qts./A for leafminers (suppression only)
  - 2 to 3 qts./A for whiteflies
  - Once dry on leaf surface
  - Use sufficient water volume to ensure thorough coverage

**FUNGICIDES**

- **Botrytis**
  - Downy mildew
  - Phosphonates FRAC Group 33
  - 12
  - 3
  - 2 to 5 lbs./A
  - 1 hour
  - Min. 20 gal./A ground

- **Luna**
  - Lettuce drop
  - Powdery mildew
  - FRAC Group 7 (SDHI) + FRAC Group 11 (Qol)
  - 12
  - 0
  - 7.6 fl. oz./A
  - 2 hours
  - Banded application allowed for Powdery mildew, Lettuce drop and Gray mold

- **Previcur**
  - Downy mildew
  - Carbamates FRAC Group 28
  - 12
  - 2
  - 1.33 to 2 pts./A
  - 30 minutes
  - Min. 15 gal./A ground, 10 gal./A air

- **REASON**
  - Downy mildew
  - White rust
  - Oli FRAC Group 11
  - 12
  - 2
  - 5.5 to 8.2 fl. oz./A
  - 1 hour
  - Min. 15 gal./A ground, 5 gal./A air

- **Serenade**
  - Bacterial blight
  - Downy mildew
  - Pink rot
  - Powdery mildew
  - Sclerotinia spp.
  - Bacillus subtilis, QST 713 FRAC Group 44
  - 4
  - 0
  - 2 to 4 qts./A
  - N/A
  - As a broadcast spray for foliar diseases, in transplant water or chemigation into root zone

*See label for specific rates for targeted pests.

Signal word for all products: Caution. Baythroid® XL and Leverage® 360 are Restricted Use Pesticides. Not all products are registered for use in all states. Please consult product labels for more information.

**IMPORTANT:** This bulletin is not intended to provide adequate information for use of these products. Read the label before using these products. Observe all label directions and precautions while using these products.