

# BASF Products for use in Onions and Garlic



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- Can be applied after onions, garlic and shallots reach the 2-true leaf stage
- Can be applied by ground, air, or chemigation
- If applications are made to transplanted dry bulb onions, garlic and dry bulb shallots, **DO NOT** apply until transplants are in the ground and soil has settled around transplants with several days to recover

■ **Use rates**

| Soil Type      | < 3% OM    | > 3% OM    |
|----------------|------------|------------|
| Coarse         | 12-14 oz/A | 14-18 oz/A |
| Medium to Fine | 14-18 oz/A | 18-21 oz/A |

- If split applications are made, maintain a minimum of 14 days between sequential applications.
- **DO NOT** apply more than a total of 21 fluid ounces of **Outlook** per acre in a single growing season.
- 30 day PHI

# Weeds Controlled with Outlook



## ■ Annual Broadleaves

- Amaranth, Powell and Palmer
- Carpetweed
- Chamomile, mayweed
- Lambsquarters, common-S
- Nightshade, black
- Nightshade, cutleaf
- Nightshade, Eastern black
- Nightshade, Hairy
- Pigweed, redroot
- Pigweed, tumble
- Purslane, common
- Ragweed, common-S

## ■ Sedge:

- Nutsedge, yellow

whitinggrass



- For weed control in Direct Seeded or Dry Bulb Onions and Dry Bulb Shallots
- Can be applied from 2<sup>nd</sup> to 6<sup>th</sup> leaf stage
- May be applied by ground, air, or chemigation (sprinklers)
- Do not irrigate in more than 0.5 inch of water
- Rates based on soil type

|               |                 |
|---------------|-----------------|
| <b>Coarse</b> | <b>1.5 pt/A</b> |
| <b>Medium</b> | <b>2.0 pt/A</b> |
| <b>Fine</b>   | <b>3 pt/A</b>   |

- Do not exceed 3.2 pints per acre per year
- REI is 24 hours
- PHI of 60 days

# Prowl H2O Supplemental Label for Loop Stage Applications in Direct Seeded Onions

- Can be applied by ground only (minimum of 10 GPA)
- Apply when onions are in loop stage
- Rates based on soil type

|               |                   |
|---------------|-------------------|
| <b>Coarse</b> | <b>1-1.5 pt/A</b> |
| <b>Medium</b> | <b>1-1.5 pt/A</b> |
| <b>Fine</b>   | <b>1.5 pt/A</b>   |

- Do not apply more than 0.25 inches of initial overhead irrigation following application
- Prowl H2O may be applied sequentially in direct seeded onions\*
- Do not exceed 3.2 pints per acre in onions per year
- REI is 24 hours
- PHI is 60 Days





- SLN label for Lassen, Modoc, Shasta and Siskiyou Counties
- For control of Kochia
- Is only distributed by California Garlic and Onion Research Advisory Board
- Requires and liability and indemnification waiver
- Allows for “delayed preemergence” application in onions
  - Apply after germination, but before emergence (when 75% of the radicles have developed on onion seedlings)



Fungicide



- For in-furrow control of **White Rot (*Sclerotium cepivorum*) in Garlic and Onions**
  - Begin prior to disease development
  - Continue to apply on a 7-14 day schedule
  - Can apply by ground, air, or chemigation
- Application rate 6.8 oz/A, maximum of 6 applications or 41 oz/A per season
- Resistance management –do not make more than 2 applications before alternating to a different mode of action
- PHI is 7 days

# BASF Fungicides for Onions, Garlic, Leeks, and Shallots



- Endura
  - For control of Botrytis leaf blight and purple blotch
- Pristine
  - For control of Botrytis leaf blight, purple blotch, Stemphylium leaf blight, and suppression of downy mildew
- Zampro and Forum
  - For control of downy mildew
- Cabrio
  - For control of powdery mildew, purple blotch, and rust





# Thank You!

# Questions?