

into the soil to a depth of at least 4 inches using suitable equipment. Where the nematode species *Meloidogyne arenaria* or *M. javanica* are present, or there are high populations of *M. incognita*, apply Telone® II soil fumigant at the specified label rate.

**Specific Use Restrictions:**

- Do not make more than one application of Lorsban-4E or other product containing chlorpyrifos per season.
- Maximum single application rate is 1 lb ai chlorpyrifos (2 pints of Lorsban-4E) per acre.
- Do not aerially apply this product in Mississippi.

**Tree Fruits,<sup>1</sup> Almond, and Walnut (Dormant/Delayed Dormant Sprays)  
(Not for use in Mississippi)**

**Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days for tree fruits and 24 hours for almond and walnut unless PPE required for early entry is worn.

<sup>1</sup>Apple, cherry, nectarine, peach, pear, plum, prune

Apply as a dormant or delayed dormant spray. While Lorsban-4E may be used without oil, for best results, use oil to control additional pests, such as European red mite. See precautions for use of oil below. Apply as a concentrate or dilute spray using conventional, power-operated spray equipment. For dilute sprays (greater than 200 gpa), use sufficient spray volume to completely wet tree foliage, but not to point of runoff. For concentrate sprays (less than 200 gpa), uniformly apply an equivalent amount of Lorsban-4E per acre.

Use a higher rate in the rate range when there is increased pest pressure.

**Use Precautions for Tree Fruits, Almond and Walnut:**

- Cold or dry conditions may cause Lorsban-4E plus oil sprays to infuse into trees, resulting in bud damage or bud drop. Do not apply until winter rains or irrigation has replenished soil moisture such that bark and twigs are not desiccated.
- To avoid contamination of irrigation tail waters, do not flood irrigate within 24 hours of application of Lorsban-4E.

**Use Restrictions for Tree Fruits, Almond and Walnut:**

- Make only one application of chlorpyrifos during the dormant season.
- For apple, do not make more than one application of Lorsban-4E to the apple tree trunk per year as either a prebloom or post-bloom application.
- Do not use more than a total of 2 lb ai chlorpyrifos (4 pints of Lorsban-4E) per acre per season as a dormant/delayed dormant application.
- Do not allow meat or dairy animals to graze in treated orchards.

**Almond, Cherry, Nectarine, Peach, Pear, Plum, Prune, Walnut**

Target Pests	Lorsban-4E (pint/acre)
American plum borer brown almond mite climbing cutworms European red mite greater peach tree borer lesser peach tree borer mealy plum aphid peach twig borer pear psylla adults San Jose scale	1.5 - 4

**Specific Use Precautions for Almond, Cherry, Nectarine, Peach, Pear, Plum, Prune, Walnut:**

- Avoid contact with foliage in sweet cherries as premature leaf drop may result.

**Specific Use Restrictions for Almond, Cherry, Nectarine, Peach, Pear, Plum, Prune, Walnut:**

- Do not make a soil or foliar application of Lorsban-4E or other product containing chlorpyrifos within 10 days of a dormant/delayed dormant application of chlorpyrifos to the orchard.

**Additional Restrictions Specific to California for Almond, Cherry, Nectarine, Peach, Pear, Plum, Prune, Walnut:**

- Do not use more than 1% dormant oil and/or penetrating surfactants in almond orchards less than 4 years old.
- Use a minimum of 100 gpa of total spray volume.
- Use up to 2% supreme oil with no more than 4 gpa on almonds.
- Use up to 2% supreme oil with no more than 6 gpa on peaches and nectarines.
- Refer to the University of California pest management guide for pears, plums, and prunes.

- In orchards with high overwintering populations of European red mite or brown almond mite, use higher spray volumes that allow for the use of higher per acre rates of oil.
- Do not use any adjuvants or surfactants in addition to, or as a substitute for, a petroleum spray oil in a tank mix with Lorsban-4E.
- Do not apply on almonds in the following counties in California: Butte, Colusa, Glenn, Solano, Sutter, Tehama, Yolo, and Yuba.

**Apple**

Target Pests	Lorsban-4E (pint/acre)
climbing cutworms <i>Lygus</i> obliquebanded leafroller pandemis leafroller rosy apple aphid San Jose scale	1.5 - 4

**Specific Use Restrictions for Apple:**

- Only one application of any chlorpyrifos containing product can be made per year. The application can be either a prebloom dormant/delayed dormant spray to the canopy or the trunk, or a post-bloom application to the lower 4 feet of the trunk (for post-bloom application instructions and restrictions on apple, refer to Apple Tree Trunk section of the label).

**Additional Restrictions Specific to California for Apple:**

- Use a minimum of 100 gpa of total spray volume.
- Refer to the University of California pest management guide for apples.
- In orchards with high overwintering populations of European red mite or brown almond mite, use higher spray volumes that allow for the use of higher per acre rates of oil.
- Do not use any adjuvants or surfactants in addition to, or as a substitute for, a petroleum spray oil in a tank mix with Lorsban-4E.

**Tree Fruits<sup>1</sup> and Almond (Trunk Spray or Preplant Dip)  
(Not for use in Mississippi)**

**Worker Restricted Entry Interval:** Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 days for tree fruits and 24 hours for almond unless PPE required for early entry is worn.

<sup>1</sup>Cherry, nectarine, peach, plum

Apply Lorsban-4E to tree trunks and lower branches using a coarse, low-pressure spray to control pests listed in the following table. Use a higher rate in the rate range when there is increased pest pressure. Unless otherwise specified, a second application may be made after two weeks and a third application may be made after harvest. Avoid spray contact with foliage in sweet cherries as premature leaf drop may result. Consult your state agricultural experiment station or extension service specialist for proper application timing for your area.

Crops	Target Pests	Lorsban-4E (quart/100 gal)
cherry	American plum borer greater peach tree borer lesser peach tree borer	1.5 - 3
almond nectarine peach plum	peach tree borers (1) (2)	3

Numbers in parentheses (-) refer to Pest-Specific Use Directions.

**Pest-Specific Use Directions:**

1. **Preplant Dip Application (Peaches and Nectarines Only):** For preplant control of **peachtree borer**, use Lorsban-4E at the equivalent application rate of 3 quarts per 100 gallons of water. Dip trees several inches above the grafting bud scar and plant immediately, or allow them to dry before returning to storage. Do not allow peach trees to remain in contact with the dip solution.
2. **Peach tree borer:** For control in established trees, apply before newly hatched borers enter the tree. Use as a coarse, low-pressure trunk spray and thoroughly wet all bark areas from ground level to scaffold limbs. Do not allow spray to contact fruit. Consult written recommendations provided by your State agricultural experiment station or extension service specialist for proper time to treat in your area.

**Specific Use Restrictions:**

- **Preharvest Interval:** Do not apply within 14 days before harvest of almonds, nectarines, peaches and plums, or within 21 days before harvest of cherries.