

Lorox® DF

Agricultural Herbicide

LOROX Controls Problem Weeds In Cilantro

LOROX is now registered by the USEPA and the California Department of Pesticide Regulation (CDPR) for use on cilantro and other herb crops such as parsley and dill.

Consult the LOROX label for detailed information at novasource.com.

In 2012, the University of California conducted a field trial evaluating the use of LOROX on cilantro. The trial evaluated preemergent application of LOROX, Caparol® and GWN9994, a low VOC formulation of bensulide (Prefar®). LOROX and Caparol were also applied at the first true leaf stage.

This technical bulletin summarizes the results of that trial.

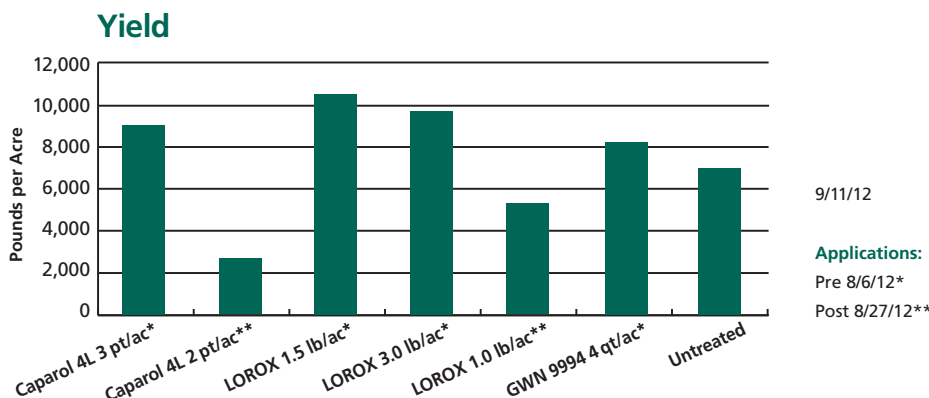
2012 Cilantro Herbicide Trial

University of California Cooperative Extension, Monterey County

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Key Conclusions

- LOROX and Caparol at 1.5 pounds of active ingredient per acre both provided complete weed control.
- The highest yields were in preemergence LOROX treatments.
- When the cilantro preemergence and postemergence weed control treatments were evaluated, the 1.5 pounds of active ingredient per acre preemergence applications of both LOROX and Caparol continued to provide good weed control, as did the postemergence applications of these materials, but GWN 9994 continued to be weak on hairy nightshade.
- The untreated control required 238.3 hours per acre to weed compared to a low of 6.4 and 8.8 hours per acre for the postemergence Caparol and LOROX applications, respectively.
- The postemergence applications of both Caparol and LOROX had more crop injury than preemergence application timing, but LOROX had less than Caparol.
- Phytotoxicity observed in postemergence applications was reflected in the crop yields. Lowest yield was obtained in Caparol applied postemergence followed by LOROX applied postemergence.



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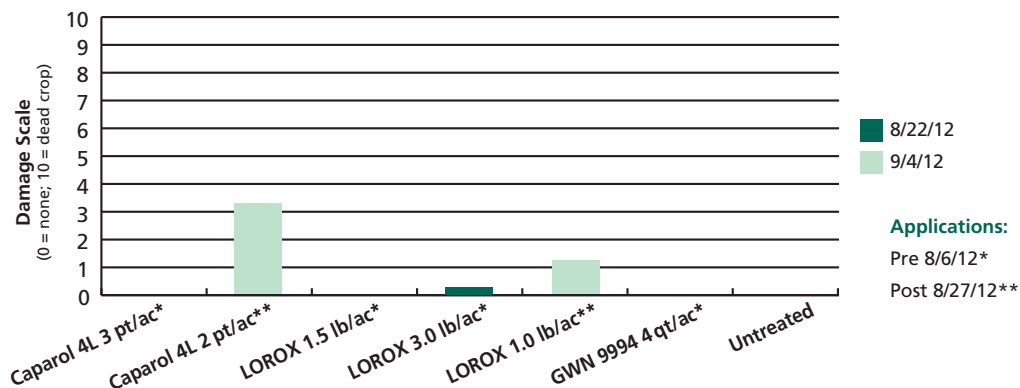
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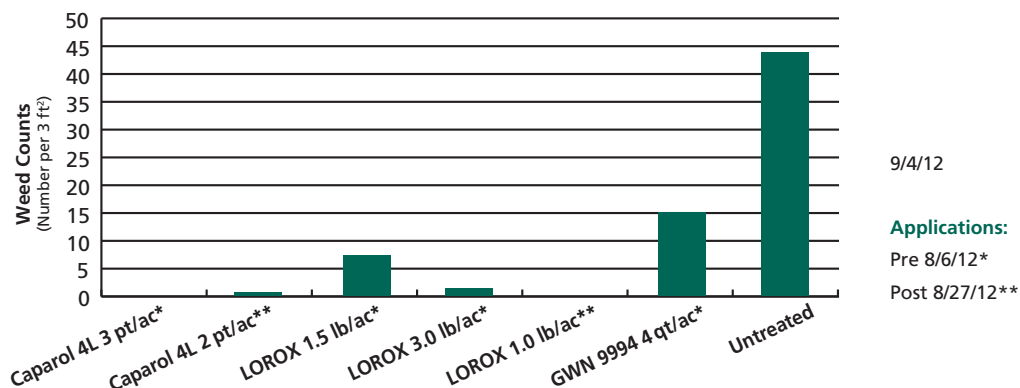
Methods: The trial was established in Hollister with a cooperating PCA/grower in a commercial cilantro production field. *The field was seeded and the preemergence treatments were applied on August 6, 2012 and the first germination water was applied on August 7. **The postemergence treatment was applied at the first true leaf stage on August 27. All applications were made with four passes of a one-nozzle wand with an 8008E nozzle at 30 psi applying 72 GPA. The trial was arranged in a randomized complete block design with three replications. Each plot was one bed, 80 inches wide by 10 feet long. The soil at the site was Sorrento silty clay loam. Weed count areas are shown in tables. Yield evaluation was conducted of an area 1.0 meter square.

There was good weed pressure with redroot pigweed, purslane, hairy nightshade and lambsquarters being dominant.

Phytotoxicity



Total Weeds



Untreated Control



LOROX 1.5 lb/ac Applied Preemergence

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