



IMPROVING PRE-EMERGENT WEED CONTROL WITH ORO-RZ®

TARGET	Broadleaf Weeds	CROP	Almonds	LOCATION	Sanger, CA
TRIAL DATE	February - May 2015	RESEARCHER	Dan Forey, Research Scientist; Eurofins Agrosience Services		

KEY FINDINGS:

ORO-RZ improved the efficacy of Alion herbicide from 71% to 95% across a variety of late winter broadleaf weeds.

TRIAL GOAL

To determine any improvement in pre-emergent broadleaf weed control gained from adding ORO-RZ to Alion (Indaziflam), a standard pre-emergent herbicide treatment.

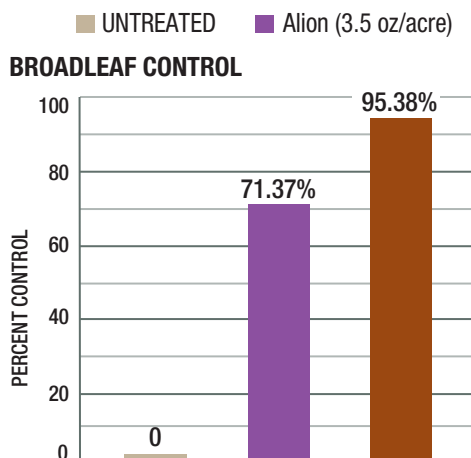
APPLICATION

A pre-test application of Roundup PowerMax was made to kill existing weeds and ground cover. Single applications of Alion alone (3.5 oz. /acre) and Alion (3.5 oz. /acre) + ORO-RZ (32 oz. /acre) were replicated 4 times in a random complete block plot, with an untreated check, in the row middles of an almond orchard. The materials were immediately incorporated using 100 gallons of water (approximately 0.07 inches) over all the plots. An additional 0.4 inches of rain fell 2 to 3 days after the applications.

RESULTS

Following the pre-trial application of Roundup PowerMax, no new seedling germination was observed in the plots at the 14 and 28 DAA assessments. However, by 40DAA both germination of new seedlings and resurgence in growth of some surviving species was evident. Of the two Alion treatments, Alion + ORO-RZ consistently averaged less weed cover and/or weed counts than plots treated with Alion alone.

In summary, Alion + ORO-RZ (95% control) averaged a higher percent control of broadleaf weeds than Alion alone (71% control).



BROADLEAF WEEDS IN THE TRIAL PLOTS:

- Marestalk
- Fleabane
- Spotted Spurge
- Redstem Filaree
- Common Chickweed
- Redmaids
- Shepherd's Purse
- Annual Sow Thistle
- Little Mallow
- California Burclover
- Redroot Pigweed