



GREASY SPOT CONTROL WITH OROCIT® ADJUVANT + ABOUND

TARGET	Greasy spot (<i>Mycosphaerella citri</i>)	CROP	Citrus (<i>Valencia</i>)	LOCATION	Deland, Florida
TRIAL DATE	June 2011 - May 2012	RESEARCHER	Henry Yonce, KAC Agricultural Research Inc.		

APPLICATION

A statistically replicated trial was conducted to determine if OROCIT is a suitable replacement for 435 Mineral Oil in a control program aimed at greasy spot control on Valencia citrus trees in Florida. Treatments were applied with an air-blast sprayer in 171 gallons of spray mixture per acre on June 9, July 14 and August 30, 2011. The percentage of defoliation as a measure of greasy spot control was evaluated on February 22, 2011 (175 days after the third application) and again on May 2, 2012 (245 days after the third application).

RESULTS

Treatments had a tendency to decrease defoliation caused by the greasy spot disease. However, the commonly used mineral oil treatment at 5% concentration had the highest degree of defoliation. In view of the detrimental effects on tree physiology caused by the use of mineral oil, especially at this high rate, this treatment should be reconsidered. OROCIT, used at 32 oz per acre, has substantial agronomy and logistical benefits over mineral oil. When used in combination with Abound in comparison with Abound plus mineral oil at 3 gallons per acre, OROCIT was as effective as the mineral oil or Abound plus mineral oil treatments for the control of greasy spot – showing that OROCIT is a suitable replacement for mineral oil when used alone or with Abound.

The treatments available for the control of greasy spot have limited efficacy. **However, due to the negative effects of mineral oil on tree physiology, OROCIT should be the product of choice for greasy spot control.**

PERCENT DEFOLIATION DUE TO GREASY SPOT INFECTION AT 175 AND 245 DAYS AFTER THIRD TREATMENT

- UNTREATED
- 435 Mineral Oil (8.55 gal.)
- Abound (12 fl. oz.) + 435 Mineral Oil (3 gal.)
- OROCIT (32 fl. oz.) + Abound (12 fl. oz.)

