## FRUIT AND NUT CROPS RESEARCH IN TEXAS, 1987

### COMPILED AND EDITED BY:

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SUBJECT TOPIC: Weed Control

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CROP(S):

Pecans
 Grapes

#### ABSTRACT:

Trails have been conducted for 15 years on weed control with the following results.

- - Gramoxone or Roundup + Surflan + Princep
    Combined in vineyard while the vines are dormat
    have given excellent weed control for 60 days with
    Gramoxone + Surflan + Princep, and 120 days control
    with Roundup + Surflan + Princep. Rates used were
    0.95 l (1 qt) of Roundup or Gramoxone + 1.8 kg (4.0
    lbs) Surflan + 0.45 kg (1 lb) Princep. Delivery
    was at 4.8 km/hr, 210 KPa (30 mph) and Teejet 8003.
- 6) Chemical mowing with Roundup was obtained at (8.0 oz/acre) in 56.8 l (15 gal) of water, 280 KPa (40 psi), and 3.2 Km/hr (2.0 mph). This is on broadleaf weeds and winter grasses.
- 7) Chemical mowing of coastal bermudagrasss was not obtained after 2 applications in any of 3 years at high as 2.3 l/ha (1.0 qt/acre). Although the coastal bermudagrass was not affected, all other weeds in the grass were killed.

# Future Studies: noisest applied tyanost noises the

- 1) High speed, low volume Girojet application of Roundup will be continued to determine the combination that gives optimum kill at minimum cost.
- Vineyard weed control chemical combinations will be tested.

#### Other Programs:

- 1) Ethrel (Shuck) Release on Pecan
  - 2) Pecan Orchards Establish
  - 3) Grape and Pecan Variety Evaluations
  - 4) Pecan Spacing
  - 5) Pecan Insectiside Evaluation