

6/30/88

TRIADIMEFON (BAYLETON) FUNGICIDE

SECTION 18 TO TREAT 700 ACRES OF TOMATOES IN YUMA & LA PAZ COUNTIES
ON BASIS OF MINIMIZING ECONOMIC LOSSES DUE TO CROP LOSS
FROM POWDERY MILDEW

EMERGENCY EXEMPTION GRANTED LAST YEAR

Q: THERE IS NO LA PAZ COUNTY (?) → A: 1934 NORTHERN YUMA BECAME LA PAZ

SWAGENESSY FILES:

CHEMICAL PROPERTIES INDICATE LEACHING, HOWEVER,

NO BREAKDOWN BY CML GIVEN

SOILS IN WESTERN YUMA VERY SUSCEPTIBLE TO LEACHING -- SANDY LOAMS &
GRAVELLY LOAMS. BEDROCK GENERALLY > 60 inches

SLOPES RELATIVELY FLAT -- 0-8%

DRASTIC (PESTICIDE) = 106 PROBABLY LOW DUE TO DEPTH TO AQUIFER & RECHARGE.

ANNUAL PRECIP (AVE) FOR YUMA ONLY 3.03 in/year

MOSTLY DISTRIBUTED JULY - MARCH

MAX 24 in rain = 24 inches Sept 1953.

NOTE:

WATER TABLE 20-30' COLORADO RIVER FLOOD PLAINS (SANDRA OWEN-JAMES
VSSS ARIZONA)
LA WHEEL TAPPIES GROUP

ASSESSMENT: 1) SIGNIFICANT LEACHING POTENTIAL

2) SITE VERY VULNERABLE (SOILS, SLOPES, W.I.T.)

3) RECHARGE PROBABLY SIGNIFICANT DUE TO IRRIGATION

HOWEVER, PROPER IRRIGATION = 0.0 NET RECHARGE

4) VERY LOW APPLICATION RATES ⇒ ^{LOW} CONCENTRATIONS (?) PRM

5) TOXICOLOGICAL IMPACTS?