COTTON DEFOLIATION

Defoliation Observations:

In many cotton fields a large percent of the total bolls set in 1973 were from flowers that opened in August. Generally a large percent of the total bolls are from flowers that open in July. Temperatures in September and October allowed late bolls to develop. There was also a tendency to apply the last irrigation later than usual. The late boll set, warm temperature and adequate moisture supply suppressed the effect of defoliants applied at the normal date. If defoliants were withheld until bolls matured and plants were ready for defoliation, leaf drop was adequate.

James Dunn - Yuma — Agent-in-Charge - Jim Hazlitt

Defoliate was applied by air on October 31, 1973. The maximum temperature was 96°F. A total of seven gallons of spray per acre was applied. Each plot of 10 acres was split into two irrigation termination dates based on height of plants. The final irrigation date and plant heights were August 20--height 36 inches, September 5--height84 inches. Plots were rated November 20, 1973.

Rate of Folex in Pints Per Acre

	3	2 + spreader*	2	1.5
		Leaf Drop Rating**		
		August 20 - Plant Height 36 Inches		
	9.0	8.0	3.0	4.0
	7.5	7.0	4.0	3.0
Average	8.3	7.5	3.5	3.5
		September 5 - Plant Height 84 Inches		
	6.0	4.0	6.5	4.0
	5.0	4.0	6.5	2.5
Average	5.5	4.0	6.5	3.3

* Rohm Haas Friton CS-7 spreader rate of 2 pts./100 gal. of spray

** One represents Zero leaf drop and 10 represents 100 percent leaf drop

COTTON DEFOLIATION

Vince Salvato - Parker — Agent-in-Charge - Jim Hazlitt

Defoliate was applied by air November 5, 1973. The maximum air temperature was 87°F. A total of 10 gallons of spray per acre was applied. Each plot was rated in four separate areas on December 5, 1973. Average plant height was 44 inches.

	Rate of Folex in pints per acre	
	3	2
	leaf drop ratings*	
	7.5	7.0
	7.5	7.5
	7.5	7.0
	8.0	7.0
Average	7.6	7.1

* One represents zero leaf drop and 10 represents 100 percent leaf drop