

GROWTH REGULATOR ETHREL FOR HARVEST

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Ethrel was applied to early April cotton October 7 when 47 percent of the bolls were open. Aerial photographs on October 17 revealed better defoliation and counts found more open bolls with three quart and four quart rates. First harvest occurred October 28 and 29 with the two quarts of Ethrel plus two pints of Folex, harvest totaling 1294 pounds of lint per acre. Percent defoliation at harvest was estimated as follows:

1 quart - 75	4 quarts - 92
2 quarts - 80	2 quarts Ethrel + Folex - 75
3 quarts - 84	Check - 70

Approximately 92 percent of the cotton was harvested at first picking, but over 20 percent of the late green bolls failed to open by second harvest.

RATES OF ETHREL APPLICATION

Hayden Farms - Buckeye

Rate Per Acre	Lbs. Lint Per Plot				Lbs. Lint Per Acre 1st Pick	Lbs. Lint Per Acre 2nd Pick	Total Lbs. Lint Per Acre
	1	2	3	4			
4 quarts	1423	1204	1308	1469	1263	148	1411
2 quarts	1437	1284	1354	1375	1274	117	1391
2 quarts + 2 pints Folex	1382	1382	1333	1437	1294	89	1383
Check	1442	1342	1270	1370	1268	112	1380
1 quart	1392	1322	1385	1357	1275	98	1373
3 quarts	1444	1249	1312	1427	1270	80	1350