

Appendix 1

Leaf Analysis 2001:

Almonds - N 2.3-2.7%, K 1.1-2.1%, Ca 1.8-3.5%, Zn 24-34 ppm,
Mn 102-626 ppm, Cu 5-10 ppm, Na 50-180 ppm, Cl 0.02-0.15%, B (hulls) 81 ppm
Walnuts - N 2.8%, K 1.7%, Ca 1.82%, Zn 25 ppm, Mn 566 ppm, Na 34 ppm, CL 0.13%

Fertilizer Program:

Almonds - UAN-32 nitrogen @ 160-180 lbs N per acre,
Potassium chloride at 200 lbs per acre, Zinc sulfate @ 30lbs and Solubor @ 2lbs/ac
Walnuts - UAN-32 @ 240 lbs N /ac, Potassium Sulfate @ 280 lbs/ac

UAN injected 4-5 split applications per season.
K injected 2x in irrigation
Zn & B foliar application fall

Disease program:

Almonds - Pink bud - Vanguard @ 5 oz/ac
Full bloom - Captan @ 6 lbs/ac
Petal fall +3 weeks - Ziram @ 7 lbs/ac
Walnuts - Kocide @ 6lbs/ac

Insect Control Program:

Almonds - Overwintering mites (peach silver & brown almond) - Dormant oil @ 6 gal per acre
Peach Twig Borer - Deliver Bt 2X at 30% PTB emergence(late bloom) & 80%
emergence (late Petal fall)
Spider mites (Pacific mite) - Vendex @ 1 lb + 1 gal oil/acre to hot spots and
roadways only
Husk Fly - Malathion @ 1 gal + Nulure bait 2x to outside rows only

Weed Control:

Touchdown @ 20 oz +Goal @ 8 oz/ac postemergence strip spray:

Almonds - 5x applications almonds
Walnuts - 3 sprays walnuts

Irrigation:

Almonds - ETC calculated from Nickels weather station data from March to September = 34 inches, 32-36 inches irrigation applied over season to almonds in 3-5 irrigations/week for drip or 2 irrigations/week for microsprinkler.

Walnuts 40 inches Etc, 39 inches applied via double hose drip in 2 irrigations/week

Precipitation - Colusa CIMIS Station:

Total for season: 12.76 Inches (Oct 2000-Sept 01)

Monthly amounts in inches: Oct. 1.77; Nov. 0.63; Dec. 0.35; Jan. 3.61; Feb. 3.42; Mar. 1.76; Apr. 0.74; May 0.00; June 0.11; July 0.01; Aug. 0.00; Sept. 0.36

Historical Average: 16.41

2001 Crop Yields:

Total Almonds: Up 3% from 2000
Nonpareils unchanged
Carmel up 23 %
Monterey and Neplus down 5 %
Butte & Mission up 2%
Padre up 15 %

Walnuts: Up 18% from 2000
Chandlers @ 3 Ton/ac
Howards @ 2.7 tons/ac