# 1999 to 2007 Almond Summaries

**Trial Description/Design/Test Years:** These trials were coordinated by Dr. Rollie Meyer, UC-Davis, (emeritus) and covered 7 years (1999 to 2004) of replicated, small plot evaluations. Additional test years included in this summary are results from 2005 to 2007. Each trial was protocol driven, randomized and replicated 4 to 5 times with specific instructions on tree selection and plot location to minimize variability. Furst Liquid was evaluated on 9 almond varieties grown throughout the central valley. The 27 trials were conducted by 7 difference research contractors located from Chico to Bakersfield. All plot yields were converted to pound per acre.

**Almond Varieties:** Nonpareil, Peerless, Carmel, Monterey, Wood Colony, Butte, Padre, Peerless, Aldrige

**Counties:** Butte, San Joaquin, Stanislaus, Merced, Madera, Fresno, Tulare, Kern

**Furst Liquid Treatments:** Furst Liquid was applied 3 times at 16.0 fl. oz/acre during bloom at the pink stage, full bloom and petal fall. All applications were made with ground rigs or hand held plot sprayers. In most instances only the primary variety was evaluated for yield. The pollinators were generally bulk harvested with no yield data captured. In all cases a calcium foliar nutritional and a surfactant were included in the tank. Water volumes ranged from 100 to 165 gallons per acre.

## Furst Liquid: Affect on Nut Yield per Acre by Test Year

| Test Year | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 9 Years |
|---|---|---|---|---|---|---|---|---|---|---|
| No.Trials | 3 | 6 | 3 | 1 | 4 | 3 | 2 | 3 | 2 | 27 tests |
| Yield | ALMOND YIELD/ACRE | | | | | | | | | Average |
| Furst Liquid | 1765 | 2449 | 3020 | 3842 | 2596 | 3031 | 3736 | 2482 | 3418 | 2927 |
| UTC | 1341 | 1855 | 2170 | 2663 | 2380 | 2959 | 3276 | 2356 | 2386 | 2376 |
| % Diff | 31.62 | 32.02 | 39.17 | 44.27 | 9.08 | 2.43 | 14.04 | 5.35 | 43.25 | 23.19 |

## Furst Liquid: Affect on Almond Size in Grams by Test Year[1/]

| Test Year | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 9 Years |
|---|---|---|---|---|---|---|---|---|---|---|
| No. Trials | 2 | 6 | 0 | 1 | 3 | 3 | 2 | 3 | 2 | 22 tests |
| Size | ALMOND NUT SIZE (grams) | | | | | | | | | Average |
| Furst Liquid | 1.37 | 1.34 | N/A | 1.33 | 1.13 | 1.21 | 1.19 | 1.17 | 1.24 | 1.25 |
| UTC | 1.35 | 1.33 | N/A | 1.35 | 1.12 | 1.13 | 1.11 | 1.15 | 1.11 | 1.21 |

[1/] Nut size is based on a random sample of 100 raw meats