Fertilizer Evaluations in Nonpariel Almonds

Basabri Research, Westley, CA

Experiment Info	
Planted:	2008
Harvested:	8/20/22
Yield Goal:	2500
Variety:	Non-Parie
Pop.:	148
Row Width:	21
Prev. Crop:	Almonds
Plot Size:	1470
Reps:	6

Soil Test (ppm)	
pH:	6.9
CEC:	26.3
%OM:	2.3
Bray P1:	15
Bicarb P:	66
K:	3.3%
S:	102 PPM
%K:	3.3%
%Mg:	24.9%
%Ca:	68.6%
%H:	0
Zn:	2.3 PPM
Mn:	25 PPM
B:	2.6 PPM

Objective:

Prove that Agroliquid Fertlizers applied at rates that are considerably lower than those of the conventional fertilizers are as effective as conventional fertilizers in production of almonds. Specifically K-Row 0-0-23 8S and potassium acetate 0-0-25 in comparison with Kalibrate.

After 5 years of our previous research study Agrolquid changed the products used to other products that are being used by growers in California. There are 5 applications with 6 replications in this study. Below is a graph that shows products/rate and application dates.

Fertlizer Evaluations in Nonpariel Almonds, Westley, CA 2020

	2022 Application Dates (fertlizer rates per acre)						Ave of 6 replicated trials	
	10/21/2021	3/15/2022	4/20/2022	5/1222	6/25/2022		2022	Avg.
1	32% UAN: 10 Gal 10-34-0: 7.5 Gal K-Thiosulfate: 5 Gal	32% UAN: 10 Gal. 10-34-0: 15 Gal. KTS: 10 Gal. Zinc EDTA: .5 Gal.	32% UAN: 15 Gal 10-34-0: 15 Gal KTS: 10 Gal Zinc EDTA: .5 gal	32% UAN: 15 Gal KTS 10: Gal Zinc EDTA: .5 gal	10-34-0: 7.5 Gal KTS: 10 Gal Zinc EDTA: .5 gal	50 45 45 2	2256	2256
2	32% UAN: 10 Gal PrG: 3 Gal K-Row: 6 Gal	32% UAN: 10 Gal. PrG: 3 Gal. K-Row: 6 Gal. Zinc EDTA: 0 Gal.	32% UAN: 15 Gal. PrG: 6 Gal. K- Row: 11.5 Gal. Zinc EDTA: .5 Gal.l	32% UAN: 15 Gal. PrG: 0 Gal. K- Row: 11.5 Gal. Zinc EDTA: .5 Gal.	32% UAN: 0 Gal. PrG: 3 Gal. K-Row: 11.5 Gal. Zinc EDTA: .5 Gal.	50 30 46.5 2	2330	2330
3	32% UAN: 10 Gal. PrG: 3 Gal. Acetate: 3.75Gal. Zinc EDTA: 0 Gal.	32% UAN: 10 Gal. PrG: 6 Gal. Acetate: 7.5 Gal. Zinc EDTA: .5 Gal.	32% UAN: 15 Gal. PrG: 6 Gal. Acetate: 7.5 Gal. Zinc EDTA: .5 Gal.	32% UAN: 15 Gal. PrG: 0 Gal. Acetate: 7.5 Gal. Zinc EDTA: .5 Gal.	32% UAN: 0 Gal. PrG: 3 Gal. Acetate: 7.5 Gal. Zinc EDTA: .5 Gal.	50 18 33.75 2	2342	2342
4	32% UAN: 10 Gal PrG: 3 Gal Kalibrate: 2 Gal	32% UAN: 10 Gal PrG: 6 Gal Kalibrate: 3.3 Gal Zinc EDTA: .5 gal	32% UAN: 15 Gal PrG: 6 Gal Kalibrate 3.3: Gal Zinc EDTA: .5 gal	32% UAN: 15 Gal Kalibrate: 3.3 Gal Zinc EDTA: .5 gal	PrG: 3 Gal Kalibrate: 3.3 Gal Zinc EDTA: .5 gal	50 18 15.2 2	2438	2438
5	32% UAN: 10 Gal PrG: 3 Gal Kalibrate: 3.3 Gal	32% UAN: 10 Gal PrG: 6 Gal Kalibrate: 5 Gal Micro 500: .5 gal	32% UAN: 15 Gal PrG: 6 Gal Kalibrate 6: Gal Micro 500: .5 gal	32% UAN: 15 Gal Kalibrate: 6 Gal Micro 500: .5 gal	PrG: 3 Gal Kalibrate: 5 Gal Micro 500: .5 gal	50 18 25 2	2329	2329

stats

Conclusions:

•Agroliquids out produced the grower standard of 10-34-0 and K-Thiosulfate by 182 lbs./ac.

• Flavonol Technology once again shows how Agroliquid products are protected from tie up compared to conventional products, K-Row 46 g/ac K Acetate 33.75 g/ac Kalibrate 15.2 g/ac

•Kalibrate performed at 10 lbs. of potassium per gallon.

• The combination of PrG and Kalibrate work together to produce the best yields.