ISM Biofertil N 2024 Almond Trial Yield

Coalinga, CA (Woolf Farming)

Objective:

This is the second year of ISM Organic Fertilizer research using the Independent variety of almonds, and Non-Pariel variety for the previous 2 years, for a total of 3 years. We are comparing the grower standard program against ISM Organic Fertilizer. We are able to demonstrate the efficacy and efficiency of our products when comparing them to the grower standard and maintain yield despite applying less gal. of fertilizer per acre than the grower standard.

Experiment Info	
Planted:	2018
Harvested:	2024
Yield Goal:	
Variety:	Nonpareil
Pop:	
Row Width	
Prev. Crop:	Non
Plot Size:	80 Ac
Reps:	

Soil Test (ppm)	
pH:	6.9
CEC:	9.8
%OM:	3.7
Bray P1	24
Bicarb. P:	
K:	71
S:	5
%K	1.9
%Mg	7.1
%Ca	90.5
%H:	0
Zn:	1
Mn:	4
B:	0.3

Fertilizer Evaluations in Nonpariel Almonds, Bakersfield, CA, 2022
2024 Applicattion Dates (fertilizer rates per acre)

Treatment		2024 Crop Year	Total Gallons	Lbs per acre	2022	3 year Avg.	lbs./ac +-
ISM Organic Fertilizer	4	ISM Biofertil N	25	210	**2954**	**2857**	**140**
GS	1	32% UAN	50	*266	**2966**	**2718**	
		10-34-0	18	197			
		Pot. Thio	16.5	135			
		Zinc EDTA	2	1			

*** Nitrogen is from UAN 32% and 10-34-0**

Conclusions:

- ISM Organic Fertilizer had similar yield results to the grower standard program using less than 15% of actual nutrients applied to the crop.
- The efficacy and efficiency of ISM Biofertil N outperform 10-34-0 and potassium thiosulfate.
- Over the 3 years of this trial, ISM Biofertil N has out yielded the grower standard by an average of 140 lbs. per acre
, that adds up to 980 lbs. of nuts during the trial.
- Growers have cut back on nutrition the last few years due to cost cutting measures, but our data shows that when a full program is used, the yield is much higher than the grower average this year of 2600 lbs. per acre.