ISM Biofertil N 2024 Pistacho Trial Yield

Tulare, CA (Premier Pistachio Ranch)

Objective:

This is the second year of ISM Organic Fertilizer research using the Independent variety of pistachio, Kernan 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 a convination gal. of fertilizer organic and conventional per acre than the grower standard.

Experiment Info	
Planted:	2015
Harvested:	2024
Yield Goal:	
Variety:	Kernan
Pop:	
Row Width	
Prev. Crop:	Non
Plot Size:	120 Ac
Reps:	

Fertilizer Evaluations in Pistachio Kernan, Tulare, CA, 2023-2025
Applicattion Dates (fertilizer rates per acre)

Treatment		2024 Crop Year	Total Gallons	Lbs per acre	2023	3 year Avg.	lbs./ac +-
ISM Organic Fertilizer	4	ISM Biofertil N	10	84	**2840**	**2987**	**147**
PCA Recomendation	1	2-1-6 Sure K	26.25	99.75			
		Micro 500	26.25	99.75			
		Vintre	13.13	49.89			

Soil Test (ppm)	
pH:	7.9
CEC:	0.63
%OM:	1.67
Bray P1	24
Bicarb. P:	0.98
K:	145
S:	20
%K	3.45
%Mg	1.0
%Ca	18.6
%N	9.2
Zn:	1.6
Mn:	4.1
B:	0.1

Conclusions:

•ISM Organic Fertilizer had similar yield results to the grower standard program using less than 10% of actual nutrients applied to the crop.
•The efficacy and efficiency of ISM Biofertil N outperform Pca recomendation
•Over the 3 years of this trial, ISM Biofertil N has out yielded the grower standard by an average of 147 lbs. per acre
, that adds up to 441 lbs./acre of pistachio 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 whit organic and conventional , the yield is much higher than the grower average this year of 2700 lbs. per acre.
•The aplication through the 3 years it considerating hig and low productions.

2025 ISM Biofertil N Field Trials