COTTON FERTILIZER RESULTS IN KERN COUNTY

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RESULTS OF FERTILIZER RATE TRIALS IN KERN COUNTY ON VARIOUS SOIL TYPES

Merced Clay Loam
Test # 1-52

Treatments	Check	40N	80N	120N	80N $100P_2O_5$
Yield Bales/Acre	1.40	1.49	1.55	1.57	1.61
Test # 2-52 Yield Bales/Acre	1.46	1.53	1.65	1.55	1.56
Test # 3-51 Yield Bales/Acre	1.68	1.84	1.79	1.77	1.90
Test # 4-53 Yield Bales/Acre	1.43	1.45	1.54	1.50	1.57
Test # 5-53 Yield Bales/Acre	1.49	1.56	1.68	1.65	XXXX
Panoche Clay Loam Yield Bales/Acre	1.78	1.83	1.80	1.90	XXXX
Traver Sandy Loam Yield Bales/Acre	1.88	1.95	1.95	1.94	2.06
Cajon Sandy Loam Yield/Acre	1.0	1.68	2.05	2.12	1.95

Hesperia Sandy Loam

Treatments	Check	50N	100N	150N	200N	100 N $120P_2O_5$	100 N $100K_2O$	100 N $42P_2O_5$
Yield	1.64	1.89	1.90	2.02	XXXX	1.91	1.92	1.90

San Emigdio Fine Sandy Loam

Test # 1 Yield Bales/Acre	1.11	1.37	1.57	1.85	1.98	1.85	1.65	XXX
Test # 2 Yields/Acre	1.13	1.84	2.33	2.63	XXXX	2.72	2.44	XXX

SOURCE TIMING TEST - 1953
Kern County
Hesperia Sandy Loam

Treatments	Source	Date Applied	Yield Bales/A
Check	----	----	1.98
100 N	Ammonium Sulfate	4/23/53	2.47
100 N	Ammonium Nitrate	4/23/53	2.31
100 N	Aqua Ammonium	4/23/53	2.26
100 N (Split)	Ammonium Sulfate	4/23/53 & 7/6/53	2.46
100 N (Split)	Ammonium Nitrate	4/23/53 & 7/6/53	2.34
100 N (Split)	Aqua Ammonium	4/23/53 & 7/6/53	2.27
100 N	Ammonium Sulfate	5/27/53	2.48
100 N	Ammonium Nitrate	5/27/53	2.34
100 N	Aqua Ammonium	5/27/53	2.36

PLACEMENT TIMING TEST - 1953
Kern County
San Emigdio Fine Sandy Loam
(Harvest only first pick)

Check	----	----	.99
100 N Broadcast	Ammonium Sulfate	5/5/53	1.38
100 N 2 sides	" "	4/9/53	1.66
100 N (Split)	" "	4/9/53 & 7/9/53	1.61
100 N 1 side	" "	6/20/53	1.40
100 N 2 sides	" "	6/20/53	1.47
100 N - 120 P Broadcast	16 - 20 - 0	5/5/53	1.47
100 N - 120 P 2 sides	" " "	4/9/53	1.70
100 N - 120 P (Split)	" " "	4/9/53 & 7/9/53	1.83
100 N - 120 P 1 side	" " "	6/20/53	1.59
100 N - 120 P 2 sides	" " "	6/20/53	1.55