

EFFECT OF N & P FERTILIZERS ON TOTAL YIELD & YIELD OF SEPARATE PASTURE SPECIES

SHARPLESS - PLACER COUNTY - 1956

Total Yield of Forage as lbs. dry weight per acre

Fertilizer Treatments	Pounds of Material Harvested at Each Cutting						Total for Season
	May 11	June 19	July 12	Aug. 8	Sept. 6	Oct. 1	
Check	1615	444	230	241	382	243	3155
P <sub>40</sub> +K <sub>40</sub>	1837	602	269	286	636*	439*	4069*
P <sub>80</sub>	2001+	561	199	272	392*	392*	4009*
P <sub>100</sub>	2118*	570	241	452*	427*	427*	4390*
N <sub>150</sub> P <sub>80</sub>	2761*	678	387	568*	424*	424*	5692*
L.S.D. 5%	447	n.s.	n.s.	153	229	133	763

Yield of Grasses as lbs. dry weight per acre

Fertilizer Treatments	Pounds of Material Harvested at Each Cutting						Total for Season
	May 11	June 19	July 12	Aug. 8	Sept. 6	Oct. 1	
Check	1255	255	113	98	217	132	2070
P <sub>40</sub> +K <sub>40</sub>	1425	352	132	111	263	185	2468
P <sub>80</sub>	1443	323	97	144	278	175	2460
P <sub>100</sub>	1647	301	99	181	236	183	2647
N <sub>150</sub> P <sub>80</sub>	2207*	447	229*	345*	590*	282*	4100*
L.S.D. 5%	427	n.s.	70	94	146	76	723

Yield of Ladino Clover as lbs. dry weight per acre

Fertilizer Treatments	Pounds of Material Harvested at Each Cutting						Total for Season
	May 11	June 19	July 12	Aug. 8	Sept. 6	Oct. 1	
Check	130	77	60	92	120	95	574
P <sub>40</sub> +K <sub>40</sub>	226	133	82	92	272	275*	1030*
P <sub>80</sub>	251*	107*	57	75	234	192*	916*
P <sub>100</sub>	215	122	76	139	238	208*	998*
N <sub>150</sub> P <sub>80</sub>	255	98	75	134	196	124	879*
L.S.D. 5%	n.s.	n.s.	n.s.	n.s.	111	64	210

Yield of Trefoil as lbs. dry weight per acre

Fertilizer Treatments	Pounds of Material Harvested at Each Cutting						Total for Season
	May 11	June 19	July 12	Aug. 8	Sept. 6	Oct. 1	
Check	230	112	57	51	45	16	511
P <sub>40</sub> +K <sub>40</sub>	186	117	55	83	101	29*	571
P <sub>80</sub>	307	131	45	53	72	25	633
P <sub>100</sub>	256	147	66	132*	108	36*	745+
N <sub>150</sub> P <sub>80</sub>	299	133	83	89	91	18	713
L.S.D. 5%	n.s.	n.s.	n.s.	50	n.s.	12	n.s.

\* Treatments significantly better than control  
 + Not quite significant

EFFECTS OF N & P FERTILIZERS ON YIELD OF IRRIGATED PASTURE

Expressed as Pounds dry Material Per Acre

SHARPLESS - PLACER COUNTY - 1956

Fertilizer Treatment	Season Yield of			Total Yield	Fertilizer		Cost Per Extra Ton
	Grass	Ladino	Trefoil		Increase	Cost/Acre	
Check	2070	574	511	3155	----	----	----
P <sub>40+40</sub>	2468	1030*	571	4069*	914	\$ 8.00	\$17.50
P <sub>80</sub>	2460	916*	633	4309*	1154	8.00	13.86
P <sub>160</sub>	2647	998*	745	4390*	1235	16.00	25.91
N <sub>150</sub> P <sub>80</sub>	4100*	879*	713	5692*	2537	32.50	25.62
L.S.D.	723	210	n.s.	763	----	---	---

LEWIS - SACRAMENTO COUNTY - 1956

Fertilizer Treatment	Season Yield of			Total Yield	Fertilizer		Cost Per Extra Ton
	Grass	Ladino	Trefoil		Increase	Cost/Acre	
Check	3231	1386	1187	5804	---	---	----
P <sub>40+40</sub>	3724	2095*	1564	7383*	1579	\$ 8.00	\$10.13
P <sub>80</sub>	4183	2577*	1052	7812*	2008	8.00	7.97
P <sub>160</sub>	3657	3284*	1722	8663*	2858	16.00	11.19
N <sub>200</sub> P <sub>80</sub>	5877*	2261*	1470	9608*	3804	38.00	19.98
N <sub>200</sub>	5077*	1398	1284	7769*	1965	30.00	30.53
L.S.D.	1284	615	n.s.	1428	----	---	---

\* Treatments which were significantly better than control

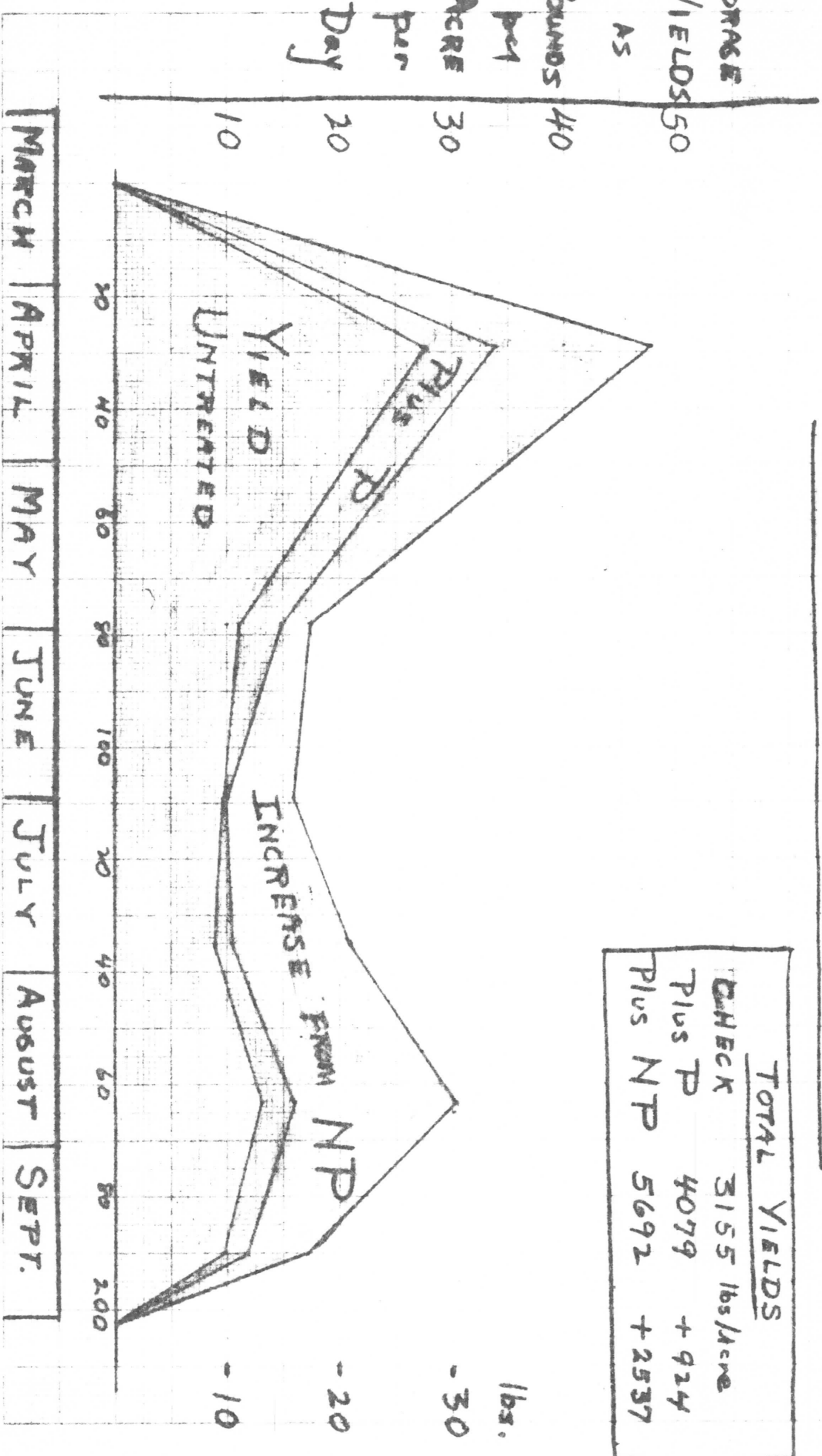
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Done

# EFFECTS OF N + P on Yield of Irrigated Pasture

SHARPLESS - PLACER CO 1956

TOTAL YIELDS	
CHECK	3155 lbs/acre
PLUS P	4079 + 924
PLUS NP	5692 + 2537



3

done

# EFFECTS OF N+P on Yield of Irrigated Pasture

SHARPPRESS- PLACER CO 1956

TOTAL YIELDS	
CHECK	3155 lbs/acre
Plus P	+ 924
Plus NP	+ 2537

