

1975 P 3P

# Agricultural Briefs

SACRAMENTO COUNTY

## LADINO CLOVER SEED PRODUCTION

Soil Requirements: Usually produced on shallow hardpan soils. Not adapted to heavy, deep soils for seed production

Planting Dates: September - early October for best stand establishment.

Harvest Dates: August - September

Varieties: California Ladino Clover and proprietary varieties.

Seeding Rate: 3 lbs/acre broadcast by air.

Fertilizer Requirements: Usually 500 lbs. P<sub>2</sub>O<sub>5</sub> @ planting and 300-500 lbs P<sub>2</sub>O<sub>5</sub> in fall after harvest, utilize soil analysis to determine needs. Apply Potassium only if soil analysis indicates a deficiency.

Irrigation Requirements: Irrigate up in fall following seeding. Usually every 7-14 days during growing season (April-August). Irrigate immediately after harvest to reestablish stand.

Normal Yield: 300-500 lbs/acre.

Insect Problems: Lygus, Spider Mites, Aphids, occasionally Armyworms and Slugs.

Disease Problems: Asteryellows, Mosaic Viruses.

Weed Problems: Winter Grasses and Chickweed controlled by EPTC, IPC, CIPC, Kerb<sup>(R)</sup>. Summer Grasses (Watergrass) controlled by EPTC and possibly CIPC and Kerb<sup>(R)</sup>. Broadleaf Weeds controlled by 2,4-DB amine or ester, 2,4-D amine and Casoron<sup>(S)</sup>. EPTC and CIPC control some species of Broadleaf weeds in preemergent applications.

Harvest: Direct combine following desiccation of stand.

**CAUTION: FOLLOW ALL LABEL DIRECTIONS AND PRECAUTIONS!**

Prepared by: T. S. Tornegren and A. D. Reed

"The University of California's Agricultural Extension programs are available to all, without regard to race, color, or national origin."

TST/jch  
5/1975

SAMPLE COSTS TO PRODUCE LADINO CLOVER  
Sacramento County - 1975

Yield: 400#, 2 year life

Labor Rates: \$2.20 unskilled  
\$3.90 skilled  
including fringe benefits

Operation	Hours per Acre	Labor	Fuel and Repairs	Cash and Labor cost per acre		Total
				Kind and Quantity	Materials Cost	
<u>Cultural Costs</u>						
Fertilizer				100 lbs P <sub>2</sub> O <sub>5</sub> @ 30¢ + application	30.00 3.00	30.00 3.00
Hand Weed	3.0	6.60				6.60
Misc. Weed Control	1.0	3.90	1.50	Weed oil, propane	1.00	6.40
Shred	.5	1.95	1.00			2.95
<u>Herbicide</u>						
Spring Broadleaf				Materials & Application	12.75	12.75
Summer Watergrass-Dodder				Materials & Application	12.75	12.75
Fall Rye Grass				Materials & Application	14.75	14.75
Insect Control				Lygus, Aphids, Mites etc.	36.00	36.00
Misc. Pest Control				Rodents, Slugs, etc.	3.00	3.00
Pollination				Beehive-1	3.75	3.75
Irrigation 12X	2.0	4.40		3.5' @ \$3.00	10.50	14.90
Misc.		.60	.50		1.75	2.85
<b>TOTAL CULTURAL COSTS</b>		<b>17.45</b>	<b>3.00</b>		<b>129.25</b>	<b>149.70</b>
<u>Harvest Cost</u>						
Defoliate				Contract	11.50	11.50
Combine	1.0	3.90	9.65			13.55
Haul				400# @ 15¢/CWT.	.60	.60
Cleaning, bags, tags				400# @ 11¢/lb	44.00	44.00
<b>TOTAL HARVEST COST</b>		<b>3.90</b>	<b>9.65</b>		<b>56.10</b>	<b>69.65</b>
<u>Cash Overhead</u>						
Misc, office etc.					11.35	
Taxes					1.50	
Rent					75.00	
<b>TOTAL CASH OVERHEAD</b>						<b>87.85</b>
<b>TOTAL CASH COST</b>		<b>21.35</b>	<b>12.65</b>		<b>273.20</b>	<b>307.20</b>
Management 5% of 400# @ \$1.25 (\$500)						25.00
<u>INVESTMENT</u>						
	<u>Per Acre</u>			<u>Annual Cost</u>		
		<u>Depreciation</u>		<u>Interest 9%</u>		
Equipment	\$150	\$15.00		\$6.75		
*Stand	68	34.00		3.05		
<b>Total</b>	<b>\$218</b>	<b>\$49.00</b>		<b>\$9.80</b>		<b>58.80</b>
<b>TOTAL COST PER ACRE</b>						<b>\$391.00</b>
Cost per Pound @ 400# yield						.98

\* Based on 2 years of seed production

SAMPLE COSTS TO ESTABLISH LADINO CLOVER

Sacramento County - 1975

Operation	Hours Per Acre	Labor	Fuel and Repairs	Cash and Labor cost per acre		Total
				Kind	Materials and Quantity Cost	
<u>Cultural Costs</u>						
Disk 2X	.5	1.95	3.30			5.25
Landplane 3X				Custom \$5.00	5.00	5.00
Herbicide				Eptam 3# @ \$3 application	9.00 2.75	9.00 2.75
Ridge	.2	.80	.50			1.30
Float	.1	.40	.25			.65
Plant				Seed 3# @ \$2.50 plane	7.50 2.75	7.50 2.75
Irrigate 2X	2.0	4.40		water 6" @ \$3/ft.	1.50	5.90
Misc. Cultural		1.05	.40			1.45
<b>TOTAL CULTURAL COST</b>		<b>8.60</b>	<b>4.45</b>		<b>23.50</b>	<b>41.55</b>
<u>Cash Overhead</u>						
Misc., office, etc.					3.20	
Taxes					1.50	
<b>TOTAL CASH OVERHEAD</b>					<b>4.70</b>	<b>4.70</b>
<b>TOTAL CASH COST</b>		<b>\$8.60</b>	<b>\$4.45</b>		<b>\$33.20</b>	<b>\$46.25</b>
<u>INVESTMENT</u>						
	<u>Per Acre</u>			<u>Annual Cost</u>		
				<u>Depreciation</u>	<u>Interest</u>	
Equipment	\$150.00			\$15.00	\$6.75	
Total						\$21.75
<b>TOTAL COST PER ACRE</b>						<b>\$68.00</b>

TST/jch  
5/1975