

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_2O_5 @ planting and 300-500 lbs P_2O_5 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^(R). Summer Grasses (Watergrass) controlled by EPTC and possibly CIPC and Kerb^(R). Broadleaf Weeds controlled by 2,4-DB amine or ester, 2,4-D amine and Casoron^(S). 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!

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TST/jch
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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 ₂ O ₅ @ 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
TOTAL CULTURAL COSTS		17.45	3.00		129.25	149.70
<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
TOTAL HARVEST COST		3.90	9.65		56.10	69.65
<u>Cash Overhead</u>						
Misc, office etc.					11.35	
Taxes					1.50	
Rent					75.00	
TOTAL CASH OVERHEAD						87.85
TOTAL CASH COST		21.35	12.65		273.20	307.20
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		
Total	\$218	\$49.00		\$9.80		58.80
TOTAL COST PER ACRE						\$391.00
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	<u>Cash and Labor cost per acre</u>		Total
				Kind	<u>Materials</u> 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
TOTAL CULTURAL COST		8.60	4.45		23.50	41.55
<u>Cash Overhead</u>						
Misc., office, etc.					3.20	
Taxes					1.50	
TOTAL CASH OVERHEAD					4.70	4.70
TOTAL CASH COST		\$8.60	\$4.45		\$33.20	\$46.25
<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
TOTAL COST PER ACRE						\$68.00

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