

ALFALFA ESTABLISHMENT, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Alfalfa Establishment, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. No Income				
2. Variable Costs:				
Seed	lb.	\$.50	25	\$ 12.50
Fertilizer (24-48-24)	ac.	6.86	1	6.86
Machinery (Custom)	ac.	10.00	1	10.00
Machinery	ac.	1.03	1	1.03
Tractor (1)	hr.	1.77	1.62	2.87
Irrigation Machinery	ac.	.10	1	.10
Labor, Tractor & Machinery	hr.	1.60	2.03	3.25
Labor, Irrigation	hr.	1.30	.50	.65
Pickup Expense	ac.	2.40	.50	1.20
Interest on Op. Cap.	\$.075	19.23	1.44
Total Variable Costs				\$ 39.90
3. No Income Above Variable Costs				
4. Fixed Costs:				
Machinery	ac.	2.13	1	\$ 2.13
Tractor (1)	hr.	1.10	1.62	1.78
Irrigation	ac.	1.01	1	1.01
Pickup Expense (1/2 year)	ac.	1.75	1/2	.87
Land Charge (1/2 year)	\$.03	3.50	10.50
Taxes (1/2 year)	ac.	8.50	1/2	4.25
Total Fixed Costs				\$ 20.54
5. Total Costs				\$ 60.44

1/ Includes payment to water district

ALFALFA ESTABLISHMENT, IRRIGATED, WEBB-MAVERICK REGION

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Estimated Costs, And Requirements Per Acre Of Alfalfa
Establishment, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Deepbreak (2)		Aug-Sep	1	-	-	\$ -	\$ -
Disc	1,8	Aug-Sep	2	.63	.50	.34	.74
Float	1,20	Aug-Sep	2	.84	.67	.32	.79
Make Borders	1,21	Aug-Sep	1	.25	.20	.07	.17
Plant	1,28	Oct	1	<u>.31</u>	<u>.25</u>	<u>.30</u>	<u>.43</u>
Total				2.03	1.62	\$ 1.03	\$ 2.13
Irrigation:	31	Aug-Nov	2	.50*	1.00	\$.10	\$ 1.01

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Custom @ \$10.00 per acre

* Labor Hours = Machine Hours x .5

ALFALFA, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Alfalfa, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Alfalfa, In Field <u>1</u> /	ton	\$ 17.50	6.5	\$113.75
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (0-100-0)	ac.	7.60	1	\$ 7.60
Tractor (1)	hr.	1.77	.12	.21
Tractor Labor	hr.	1.60	.15	.24
Irrigation Machinery	ac.	.70	1	.70
Irrigation Labor	hr.	1.30	3.50	4.55
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	7.85	.59
Subtotal, Pre-Harvest				\$ 16.29
Harvest:				
(Sold in Field)				
3. Income Above Variable Costs				\$ 97.46
4. Fixed Costs:				
Establishment (\$60.44/3 yrs)	ac.	20.15	1	\$ 20.15
Tractor (1)	hr.	1.10	.12	.13
Irrigation Machinery	ac.	7.14	1	7.14
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	350	21.00
Taxes <u>2</u> /	ac.	8.50	1	8.50
Total Fixed Costs				\$ 58.67
5. Total Costs				\$ 74.96
6. Net Returns				\$ 38.79

1/ Sold in field on dehydrated weight basis2/ Includes payment to water district

ALFALFA, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Alfalfa, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Fertilize	1	-	1	.15	.12	-	-
Irrigation:	31	-	14	3.50*	7.00	\$.70	\$ 7.14
Harvest	Custom @ \$15.00/ton as hay or sold standing in field to dehydrator for \$17.50/ton.						

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor hours = Machine hours x .5

BUFFEL GRASS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Buffel Grass, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Hay	ton	\$ 25.00	3.5	\$ 87.50
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (100-60-0)	ac.			\$ 15.06
Tractor (3)	hr.	.81	.10	.08
Tractor Labor	hr.	1.60	.11	.18
Irrigation Machinery	ac.	4.95	1	4.95
Irrigation Labor	hr.	1.30	1.5	1.95
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	12.31	.92
Sub-Total, Pre-Harvest				\$ 25.54
Harvest:				
Mow, Rake, Bale, Haul	bale	.45	105	\$ 47.25
Total Variable Costs				\$ 72.79
3. Income Above Variable Costs				\$ 14.71
4. Fixed Costs:				
Tractor (3)	hr.	.55	.10	\$.05
Irrigation Machinery	ac.	5.65	1	5.65
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes	ac.	2.20	1	2.20
Establishment (\$35 for 10 yrs)	ac.	3.50	1	3.50
Total Fixed Costs				\$ 31.15
5. Total Costs				\$103.94
6. Net Returns				\$(16.44)

BUFFEL GRASS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Buffel Grass, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Fertilize	3	Apr	1	.11	.10	\$ -	\$ -
Irrigation:	30	Apr-Sep	3	1.50*	3.00	\$ 4.95	\$ 5.65

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor hours = .5 x machine hours

BUFFEL GRASS, DRYLAND, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Buffel Grass, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production, Pasture Lease	mo.	\$ 1.50	8	\$ 12.00
2. Variable Costs:				
Brush Control	ac.	.25	1	\$.25
Tractor	hr.	.81	.4	.32
Labor	hr.	1.30	.5	.65
Interest on Op. Cap.	\$.075	.61	.05
Total Variable Costs				\$ 1.27
3. Income Above Variable Costs				\$ 10.73
4. Fixed Costs:				
Tractor	hr.	1.55	.4	\$.22
Establishment (\$25 per 10 yrs)	ac.	2.50	1	2.50
Land Charge	ac.	.06	100	6.00
Taxes	ac.	.40	1	.40
Total Fixed Costs				\$ 9.12
5. Total Costs				\$ 10.39
6. Net Returns				\$ 1.61

BUFFEL GRASS, DRYLAND, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Buffel Grass, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Spot Spray For Brush Control	3	Jan-Dec	1	.50	.40		

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

CANTALOUPEs, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Cantaloupes, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Cantaloupes	80 lb. crates	\$ 5.95*	150	\$892.50
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	2.70	2	\$ 5.40
Fertilizer (80-80-36)	ac.	16.06	1	16.06
Herbicide (Prefar)	gal.	11.22	1	11.22
Insecticide	lb.	5.93	22	11.87
Application	ac.	1.50	4	6.00
Fungicide	lb.	.81	8	6.48
Application	ac.	2.00	4	8.00
Machinery	ac.	2.06	1	2.06
Tractor (1)	hr.	1.77	2.86	5.06
Tractor (3)	hr.	1.38	1.99	2.75
Tractor Labor	hr.	1.60	6.07	9.71
Hand Labor	hr.	1.30	30	39.00
Irrigation Machinery	ac.	6.60	1	6.60
Irrigation Labor	hr.	1.30	8	10.40
Bee Rental	hive	6.00	1	6.00
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	74.51	5.59
Subtotal, Pre-Harvest				<u>\$154.60</u>
Harvest:				
Hand Harvest	crate	.90	150	\$135.00
Packing	crate	2.25	150	337.50
Selling	crate	.10	150	15.00
Subtotal, Harvest				<u>\$487.50</u>
Total Variable Costs				\$642.10
3. Income Above Variable Costs				\$250.40
4. Fixed Costs:				
Machinery	ac.	3.27	1	\$ 3.27
Tractor (1)	hr.	1.10	2.86	3.15
Tractor (3)	hr.	.55	1.99	1.09
Pickup Truck	ac.	1.75	1	1.75
Irrigation Machinery	ac.	7.53	1	7.53
Land Charge	\$.06	400	24.00
Taxes	ac.	2.50	1	<u>2.50</u>
Total Fixed Costs				\$ 43.29
5. Total Costs				\$685.39
6. Net Returns				\$207.11

*1961-1970 Season weighted average price, Texas Vegetable Statistics,
Texas Crop and Livestock Reporting Service.

DEVELOPED BY EXTENSION ECONOMISTS-MANAGEMENT, TAES, TAMU.

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CANTALOUPE, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Cantaloupes, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc Plow	1,6	Sep-Dec	.33(2)	.21	.17	\$.24	\$.20
Chisel Plow	1,4	Sep-Dec	1	.63	.50	.19	.16
Disc	1,7	Dec-Jan	1.5	.63	.50	.23	.49
Float	1,20	Dec-Jan	1	.31	.25	.12	.30
Bed	1,14	Jan	1	.27	.22	.07	.14
Plant & Fertilize	1,16 & 17	Feb	1	.79	.63	.64	.93
Rolling Cultivate	3,11	Mar	1	.38	.30	.08	.14
Cultivate	3,10	Mar	1	.54	.43	.04	.09
Sidedress Fertilize	3,17	Apr-May	2	1.58	1.26	.31	.48
Make Ditches	1,21	Feb-May	3	.38	.30	.10	.25
Fill Ditches	1,22	Feb-May	3	<u>.38</u>	<u>.30</u>	<u>.04</u>	<u>.09</u>
Total				6.07	4.85	\$ 2.06	\$ 3.27
Irrigation:	30	Feb-May	4	8.00	4.00	\$ 6.60	\$ 7.54
Hand Labor	-	Mar-May	3	30.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Every 3rd year

* Labor Hours = Machine Hours x 2

CARROTS, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Carrots, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Carrots	50/lb. bag	\$ 2.07*	360	\$745.20
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	2.50	4	\$ 10.00
Fertilizer (100-60-0)	ac.	15.06	1	15.06
Herbicide (Treflan)	qt.	6.25	1	6.25
Fungicide (Maneb)	lb.	.98	8	7.84
Application	ac.	2.00	4	8.00
Insecticide (Parathion)	lb.	1.04	1	1.04
Application	ac.	1.00	2	2.00
Machinery	ac.	2.29	1	2.29
Tractor (1)	hr.	1.77	3.53	6.25
Tractor (3)	hr.	1.38	1.46	2.01
Tractor Labor	hr.	1.60	4.99	7.98
Hand Labor	hr.	1.30	6	7.80
Irrigation Machinery	ac.	9.90	1	9.90
Irrigation Labor	hr.	1.30	12	15.60
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	52.21	3.92
Subtotal, Pre-Harvest				\$108.34
Harvest:				
Harvesting	bag	.50	360	\$180.00
Packing	bag	1.10	360	396.00
Selling	bag	.10	360	36.00
Subtotal, Harvest				\$612.00
Total Variable Costs				\$720.34
3. Income Above Variable Costs				\$ 24.86
4. Fixed Costs:				
Machinery	ac.	3.54	1	\$ 3.54
Tractor (1)	hr.	1.10	3.53	3.88
Tractor (2)	hr.	.55	1.46	.80
Pickup Truck	ac.	1.75	1	1.75
Irrigation	ac.	11.30	1	11.30
Land Charge	\$.06	400	24.00
Taxes	ac.	2.50	1	2.50
Total Fixed Costs				\$ 47.77
5. Total Costs				\$768.11
6. Net Returns				\$(22.91)

* 1961-1970 Season weighted average price, Texas Vegetable Statistics,
Texas Crop and Livestock Reporting Service.

CARROTS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Carrots, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc Plow	1,6	May-Jun	.33(2)	.21	.17	\$.24	\$.20
Chisel Plow	1,4	May-Jun	1	.63	.50	.19	.16
Disc	1,7	May-Jun	1	.42	.33	.15	.33
Disc Pre-Emerge	1,7 & 19	Jun-Jul	1	.42	.33	.31	.52
Float	1,20	Jun-Jul	1	.31	.25	.12	.30
Bed	1,14	Jul	1	.27	.22	.07	.14
Plant & Fertilize	1,15 & 17	Jul-Aug	1	.79	.63	.64	.93
Rolling Cultivate	3,11	Aug-Sep	2	.75	.60	.16	.28
Cultivate	3,10	Sep-Oct	2	1.08	.86	.08	.18
Chisel Middles	1,4	Sep-Oct	1	.63	.50	.19	.16
Make Ditches	1,22	Jul-Jan	3	<u>.38</u>	<u>.30</u>	<u>.04</u>	<u>.09</u>
Total				6.23	4.99	\$ 2.29	\$ 3.54
Irrigation:	30	Jul-Jan	6	12.00*	6.00	\$ 9.90	\$11.30
Hand Labor	-	Aug-Jan	-	6.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Every 3rd year

* Labor Hours = Machine Hours x 2

Estimated Costs And Returns Per Acre Of
Coastal Bermudagrass Establishment, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Coastal Hay	ton	\$ 25.00	2	\$ 50.00
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (100-60-0)	ac.	15.16	1	\$ 15.60
Herbicide	ac.	5.25	1	5.25
Machinery	ac.	.45	1	.45
Tractor (1)	hr.	1.77	.70	1.24
Tractor (2)	hr.	1.38	.10	.28
Machinery (Custom)	ac.	30.00	1	30.00
Labor, Machinery	hr.	1.60	1.13	1.81
Labor, Irrigation	hr.	1.30	1.00	1.30
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	29.17	2.19
Subtotal, Pre-Harvest				\$ 60.52
Harvest:				
Custom (complete)	ton	15.00	2	\$ 30.00
Total Variable Costs				\$ 90.52
3. Income Above Variable Costs				\$(40.52)
4. Fixed Costs:				
Machinery	ac.	.90	1	\$.90
Tractor (1)	hr.	1.10	.70	.77
Tractor (2)	hr.	.94	.20	.19
Irrigation	ac.	2.02	1	2.02
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 32.13
5. Total Costs				\$122.65
6. Establishment Costs (Negative Net Returns)				\$ 72.65

1/ Includes payment to water district

COASTAL BERMUDAGRASS ESTABLISHMENT, IRRIGATED, WEBB-MAVERICK REGION
Estimated Costs, And Requirements Per Acre Of Coastal
Bermudagrass Establishment, Typical Management

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Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Deepbreak (2)	-	Aug-Sep	1	-	-	\$ -	\$ -
Disc	1,7	Feb	2	.63	.50	.23	.49
Disc	1,8	Mar	1	.25	.20	.13	.30
Sprig (3)	2,19	Apr	1	-	-	-	-
Spray	2,19	May	1	<u>.25</u>	<u>.20</u>	<u>.09</u>	<u>.11</u>
Total				1.13	.90	\$.45	\$.90
Irrigation:	31	Mar-Aug	4	1.00*	2.00	\$.20	\$ 2.02

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

(2) Custom at \$10.00 per acre

(3) Custom at \$20.00 per acre

* Labor Hours = Machine Hours x .5

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AECO 6

COASTAL BERMUDA HAY, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs And Returns Per Acre Of Coastal
Bermuda Hay, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Coastal Hay	ton	\$ 25.00	9	\$225.00
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (300-60-0)	ac.	36.06	1	\$ 36.06
Tractor (1)	hr.	1.77	.30	.53
Tractor Labor	hr.	1.60	.375	.60
Hand Labor	hr.	1.30	1	1.30
Irrigation Machinery	ac.	1.00	1	1.00
Irrigation Labor	hr.	1.30	2.5	3.25
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	22.57	1.69
Subtotal, Pre-Harvest				\$ 46.83
Harvest:				
Custom (complete)	ton	15.00	9	\$135.00
Total Variable Costs				\$181.83
3. Income Above Variable Costs				\$ 43.17
4. Fixed Costs:				
Tractor (1)	hr.	1.10	.30	\$.33
Establishment (\$72.65/10 years)	ac.	7.27	1	7.27
Pickup Truck	ac.	1.75	1	1.75
Irrigation	ac.	10.13	1	10.13
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 45.98
5. Total Costs				\$227.81
6. Net Returns				\$ (2.81)

1/ Includes payment to water district

COASTAL BERMUDA HAY, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of
Coastal Bermuda Hay, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Fertilize	1	Feb-Aug	3	.38	.30	\$ -	\$ -
Hand Labor		Apr-Aug	-	1	-	-	-
Irrigation:	31	Jan-Dec	10	3	10.00	\$ 1.00	\$10.13

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor hours = .25 machine hours

CORN FOR SILAGE, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Corn for Silage, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from productions:				
Corn Silage	ton	\$ 7.00	10	\$ 70.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.28	15	\$ 4.20
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Machinery	ac.	1.71	1	1.71
Tractor (1)	hr.	1.77	1.50	2.66
Tractor (2)	hr.	1.38	1.27	1.75
Tractor Labor	hr.	1.60	3.46	5.54
Irrigation Machinery	ac.	.50	1	.50
Irrigation Labor	hr.	1.30	5	6.50
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	21.23	1.59
Subtotal, Pre-Harvest				\$ 44.05
Harvest:				
Custom Cut	ton	1.00	10	\$ 10.00
Custom Haul	ton	1.50	10	15.00
Subtotal, Harvest				\$ 25.00
Total Variable Costs				\$ 69.05
3. Income Above Variable Costs				\$.95
4. Fixed Costs:				
Machinery	ac.	3.04	1	\$ 3.04
Tractor (1)	hr.	1.10	1.50	1.65
Tractor (2)	hr.	.94	1.27	1.19
Irrigation Machinery	ac.	5.07	1	5.07
Pickup Truck	ac.	1.75	1	1.75
Land Charge (1/2 year)	\$.03	300	9.00
Taxes (1/2 year) <u>1/</u>	ac.	4.25	1	4.25
Total Fixed Costs				\$ 25.95
5. Total Costs				\$ 95.00
6. Net Returns				\$(25.00)

1/ Includes payment to water district

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AFECO 6

CORN FOR SILAGE, IRRIGATED, WEBB-MAVERICK REGION

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Estimated Costs, And Requirements Per Acre
Of Corn For Silage, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Shred	2,23	Fall	1	.42	.33	\$.12	\$.20
Moldboard Plow	1,5	Fall	1	.63	.50	.50	.47
Disc	1,8	Dec-Jan	2	.63	.50	.34	.74
Float	1,20	Jan	1	.42	.33	.16	.39
Bed	1,13	Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Make Ditches	2,21	Mar-Jun	2	.25	.20	.12	.29
Fill Ditches	2,22	Mar-Jun	2	<u>.25</u>	<u>.20</u>	<u>.03</u>	<u>.06</u>
Total				3.46	2.77	\$ 1.75	\$ 3.04
Irrigation:	31	Mar-Jun	5	5.00*	5.00	\$.50	\$ 5.07

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

COTTON, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Cotton, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Cotton Lint	lb.	\$.22	500	\$110.00
Cotton Seed	ton	55.00	.40	22.00
Total				\$132.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.17	20	\$ 3.40
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Herbicide	qt.	6.25	1	6.25
Insecticide	lb.	.85	15	12.75
Defoliant	pt.	1.20	1.5	1.80
Custom Application	ac.	1.50	11	16.50
Machinery	ac.	1.62	1	1.62
Tractor (1)	hr.	1.77	1.22	2.16
Tractor (2)	hr.	1.38	1.27	1.75
Tractor Labor	hr.	1.60	3.10	4.96
Irrigation Equipment	ac.	.50	1	.50
Irrigation Labor	hr.	1.30	5	6.50
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	38.88	2.92
Subtotal, Pre-Harvest				\$ 80.67
Harvest:				
Custom Pick	bale	25.00	1	\$ 25.00
Gin	bale	21.00	1	21.00
Subtotal, Harvest				\$ 46.00
Total Variable Costs				\$126.67
3. Income Above Variable Costs				\$ 5.57
4. Fixed Costs:				
Machinery	ac.	2.72	1	\$ 2.72
Tractor (1)	hr.	1.10	1.22	1.34
Tractor (2)	hr.	.94	1.27	1.19
Irrigation Machinery	ac.	5.07	1	5.07
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 38.57
5. Total Costs				\$165.24
6. Net Returns				\$(33.24)
7. Government Payment	lb.	.15	500	\$ 75.00
8. Net Return Including Government Payment				\$ 41.76

1/ Includes payment to water district

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AECO 6

COTTON, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Cotton, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Shred	2,23	Fall	1	.42	.33	\$.12	\$.20
Moldboard Plow	1,5	Fall	1	.63	.50	.50	.47
Disc	1,8	Jan	1	.31	.25	.17	.37
Disc and Pre-emerge	1,8	Jan-Feb	1	.38	.30	.20	.44
Bed	1,13	Jan-Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Make Ditches	2,21	Mar-Jul	2	.25	.20	.12	.29
Fill Ditches	2,22	Mar-Jul	2	<u>.25</u>	<u>.20</u>	<u>.03</u>	<u>.06</u>
Total				3.10	2.48	\$ 1.62	\$ 2.72
Irrigation:	31	Mar-Jul	5	5.00*	5.00	\$.50	\$ 5.07

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

Estimated Costs And Returns Per Acre Of Forage
Sorghum For Silage, High Level Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Silage	ton	\$ 6.00	25	\$150.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.13	18	\$ 2.34
Fertilizer (220-60-0) <u>1/</u>	ac.	16.66	1	16.66
Machinery	ac.	1.67	1	1.67
Tractor (1)	hr.	1.77	1.50	2.66
Tractor (2)	hr.	1.38	1.33	1.84
Tractor Labor	hr.	1.60	3.54	5.66
Irrigation Machinery	ac.	.80	1	.80
Irrigation Labor	hr.	1.30	8	10.40
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	22.22	1.67
Subtotal, Pre-Harvest				\$ 46.10
Harvest:				
Custom Cut	ton	1.00	25	\$ 25.00
Custom Haul	ton	1.50	25	37.50
Subtotal, Harvest				\$ 62.50
Total Variable Costs				\$108.60
3. Income Above Variable Costs				\$ 41.40
4. Fixed Costs:				
Machinery	ac.	2.95	1	\$ 2.95
Tractor (1)	hr.	1.10	1.50	1.65
Tractor (2)	hr.	.94	1.33	1.25
Irrigation Machinery	ac.	8.10	1	8.10
Pickup Truck	ac.	1.75	1	1.75
Land Charge (1/2 year)	\$.03	300	9.00
Taxes (1/2 year)	ac.	4.25	1	4.25
Total Fixed Costs				\$ 28.95
5. Total Costs				\$137.55
6. Net Returns				\$ 12.45

1/ Weighted average price, Ammonium Sulfate and Anhydrous Ammonia = \$.055/lb.

2/ Includes payment to water district.

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AECO 6

FORAGE SORGHUM FOR SILAGE, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of
Forage Sorghum, For Silage, High Level Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard Plow	1,5	Fall	1	.63	.50	\$.50	\$.47
Disc	1,8	Fall & Jan	2	.63	.50	.34	.74
Float	1,20	Jan	1	.42	.33	.16	.39
Bed	1,13	Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Make Ditches	2,21	Mar-Aug	4	.50	.40	.14	.34
Fill Ditches	2,22	Mar-Aug	4	<u>.50</u>	<u>.40</u>	<u>.05</u>	<u>.12</u>
Total				3.54	2.83	\$ 1.67	\$ 2.95
Irrigation:	31	Mar-Aug	8	8.00*	8.00	\$.80	\$ 8.10

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

GRAIN SORGHUM, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Grain Sorghum, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grain Sorghum	cwt.	\$ 2.00	30	\$ 60.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	.25	10	\$ 2.50
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Herbicide (Propazine)	lb.	2.45	1.5	3.68
Insecticide (Parathion)	lb.	.85	1	.85
Insecticide Application	ac.	1.00	2	2.00
Machinery	ac.	1.70	1	1.70
Tractor (1)	hr.	1.77	1.50	2.66
Tractor (2)	hr.	1.38	1.18	1.63
Tractor Labor	hr.	1.60	3.77	6.03
Irrigation Machinery	ac.	.40	1	.40
Irrigation Labor	hr.	1.30	4	5.20
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	23.11	1.73
Subtotal, Pre-Harvest				\$ 47.94
Harvest:				
Custom Harvest	ac.	4.00	1	\$ 4.00
Custom Haul	cwt.	.10	30	3.00
Subtotal, Harvest				\$ 7.00
Total Variable Costs				\$ 54.94
3. Income Above Variable Costs				\$ 5.06
4. Fixed Costs:				
Machinery	ac.	2.86	1	\$ 2.86
Tractor (1)	hr.	1.10	1.50	1.65
Tractor (2)	hr.	.94	1.18	1.11
Pickup Truck	ac.	1.75	1	1.75
Irrigation Machinery	ac.	4.05	1	4.05
Land Charge (1/2 year)	\$.03	300	9.00
Taxes (1/2 year)	ac.	4.25	1	4.25
Total Fixed Costs				\$ 24.67
5. Total Costs				\$ 79.61
6. Net Returns				\$(19.61)

1/ Includes payment to water district

GRAIN SORGHUM, IRRIGATED, WEBB-MAVERICK REGION

11095121

Estimated Costs, And Requirements Per Acre Of Grain Sorghum, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard Plow	1,5	Fall	1	.63	.50	\$.50	\$.47
Disc	1,8	Fall-Jan	2	.63	.50	.34	.74
Float	1,20	Jan	1	.42	.33	.16	.39
Bed	1,13	Feb	1	.21	.17	.07	.12
Plant & Fertilize	2,15 & 18	Mar	1	.25	.20	.28	.50
Cultivate	2,9	Mar-Apr	2	.42	.33	.13	.27
Apply Pre-emerge	2,19	Mar	1	.31	.25	.12	.14
Make Ditches	2,21	Mar-Jun	2	.25	.20	.07	.17
Fill Ditches	2,22	Mar-Jun	2	<u>.25</u>	<u>.20</u>	<u>.03</u>	<u>.06</u>
Total				3.35	2.68	\$ 1.70	\$ 2.86
Irrigation:	31	Mar-Jun	4	4.00*	4.00	\$.40	\$ 4.05

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours

OATS FOR PASTURE, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Oats For Pasture, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Grazing Lease	hd/day	\$.15	600	\$ 90.00
2. Variable Costs:				
Pre-Harvest:				
Seed				
Oats	bu.	1.45	4	\$ 5.80
Hubam Clover	lb.	.25	10	2.50
Fertilizer (120-60-0)	ac.	17.16	1	17.16
Insecticide	ac.	1.50	1	1.50
Custom Application	ac.	1.50	1	1.50
Machinery	ac.	1.14	1	1.14
Tractor (1)	hr.	1.77	1.33	2.35
Tractor (2)	hr.	1.38	.51	.70
Tractor Labor	hr.	1.60	2.30	3.68
Irrigation Machinery	ac.	.30	1	.30
Irrigation Labor	hr.	1.30	.75	.98
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	20.01	1.50
Subtotal, Pre-Harvest				\$ 41.51
Harvest:				
None				
Total Variable Costs				\$ 41.51
3. Income Above Variable Costs				\$ 48.49
4. Fixed Costs:				
Machinery	ac.	2.28	1	\$ 2.28
Tractor (1)	hr.	1.10	1.33	1.46
Tractor (2)	hr.	.94	.51	.48
Irrigation Machinery	ac.	3.04	1	3.04
Pickup Truck	ac.	1.75	1	1.75
Land Charge	\$.06	300	18.00
Taxes <u>1/</u>	ac.	8.50	1	8.50
Total Fixed Costs				\$ 35.51
5. Total Costs				\$ 77.02
6. Net Returns				\$ 12.98

1/ Includes payment to water district

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OATS FOR PASTURE, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs, And Requirements Per Acre Of
Oats For Pasture, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Moldboard Plow	1,5	Aug	1	.63	.50	\$.50	\$.47
Disc	1,8	Aug	2	.63	.50	.34	.74
Float	1,20	Aug	1	.42	.33	.16	.39
Fertilize	2	Sep	2	.25	.20	-	-
Drill	2,29	Sep	1	<u>.39</u>	<u>.31</u>	<u>.14</u>	<u>.68</u>
Total				2.30	1.84	\$ 1.14	\$ 2.28
Irrigation:	31	Nov-Apr	3	.75*	3.00	\$.30	\$ 3.04

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = .25 x Machine Hours

ONIONS, IRRIGATED, WEBB-MAVERICK REGION

Estimated Costs And Returns Per Acre Of Onions, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Onions	50# sack	\$ 2.20	500	\$1100.00
2. Variable Costs:				
Pre-Harvest:				
Seed	lb.	6.50	2.5	\$ 16.25
Fertilizer (100-100-0)	ac.			18.10
Herbicide (Dacthal)	lb.	1.25	9	11.25
Fungicide (Maneb)	lb.	.98	8	7.84
Application	ac.	2.00	4	8.00
Insecticide (Parathion)	lb.	1.04	2	2.08
Application	ac.	1.00	4	4.00
Machinery	ac.	2.33	1	2.33
Tractor (1)	hr.	1.77	2.87	5.08
Tractor (3)	hr.	.81	1.60	1.30
Tractor Labor	hr.	1.60	5.58	8.93
Hand Labor	hr.	1.30	5	6.50
Irrigation Machinery	ac.	8.25	1	8.25
Irrigation Labor	hr.	1.30	10	13.00
Pickup Truck	ac.	2.40	1	2.40
Interest on Op. Cap.	\$.075	57.66	4.32
Subtotal, Pre-Harvest				\$ 119.63
Harvest:				
Hand Harvest	50# sack	.45	500	\$ 225.00
Packing	50# sack	.80	500	400.00
Selling	50# sack	.25	500	125.00
Subtotal, Harvest				\$ 750.00
Total Variable Costs				\$ 869.63
3. Income Above Variable Costs				\$ 230.37
4. Fixed Costs:				
Machinery	ac.	3.59	1	\$ 3.59
Tractor (1)	hr.	1.10	2.87	3.16
Tractor (3)	hr.	.55	1.60	.88
Pickup Truck	ac.	1.75	1	1.75
Irrigation	ac.	9.43	1	9.43
Land Charge	\$.06	400	24.00
Taxes	ac.	2.50	1	2.50
Total Fixed Costs				\$ 45.31
5. Total Costs				\$ 914.94
6. Net Returns				\$ 185.06

* 1961-1970 Season weighted average price, Texas Vegetable Statistics,
Texas Crop and Livestock Reporting Service.

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ONIONS, IRRIGATED, WEBB-MAVERICK REGIONEstimated Costs, And Requirements Per Acre Of Onions, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc Plow	1,6	Sep	.33	.21	.17	\$.24	\$.20
Chisel Plow	1,4	Sep	1	.63	.50	.19	.16
Disc	1,7	Sep	1.5	.63	.50	.23	.49
Float	1,20	Sep	1	.31	.25	.12	.30
Bed	1,14	Sep	1	.27	.22	.07	.14
Plant, Fertilize & Herbicide	1,16						
	17,19	Oct	1	.79	.63	.94	1.29
Rolling Cultivate	3,11	Nov-Dec	2	.75	.60	.15	.29
Sidedress Fertilize	3,17	Jan-Feb	2	1.25	1.00	.25	.38
Make Ditches	1,21	Nov-May	3	.38	.30	.10	.25
Fill Ditches	1,22	Nov-May	3	<u>.38</u>	<u>.30</u>	<u>.04</u>	<u>.09</u>
Total				5.58	4.47	\$ 2.33	\$ 3.59
Irrigation:	30	Nov-May	5	10.00*	5.00	\$ 8.25	\$ 9.43
Hand Hoe	-	Jan-Mar	1	5.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Labor Hours = Machine Hours x 2

Estimated Costs And Returns Per Acre Of Pecans, Typical Management

Item	Unit	Price or Cost/Unit	Quantity	Value or Cost
1. Gross receipts, from production:				
Pecans	lb.	\$.40	1500	\$600.00
2. Variable Costs:				
Pre-Harvest:				
Fertilizer (150-0-0)	ac.	15.75	1	\$ 15.75
ZnSO ₄	lb.	.164	20	3.28
Insecticide Malathion	qt.	1.91	4.5	8.60
Insecticide Dy-Syton	lb.	2.54	3	7.62
Fungicide (Duter)	lb.	4.21	1	4.21
Machinery	ac.	5.81	1	5.81
Tractor (1)	hr.	1.77	4.15	7.36
Tractor Labor	hr.	1.60	5.82	9.31
Hand Labor	hr.	1.30	5	6.50
Irrigation Machinery	ac.	.60	1	.60
Irrigation Labor	hr.	1.30	7.5	9.75
Interest on Op. Cap.	\$.075	39.40	2.26
Subtotal, Pre-Harvest				\$ 81.05
Harvest:				
Hand Harvest	lb.	.05	1500	\$ 75.00
Total Variable Costs				\$156.05
3. Income Above Variable Costs				\$443.95
4. Fixed Costs:				
Machinery	ac.	10.89	1	\$ 10.89
Tractor (1)	hr.	1.10	4.15	4.57
Establishment (through 10th year)	ac.	40.00	1	40.00
Pickup Truck	ac.	1.75	1	1.75
Irrigation Machinery	ac.	6.08	1	6.08
Land	\$.06	500	30.00
Taxes ^{1/}	ac.	8.50	1	8.50
Total Fixed Costs				\$101.79
5. Total Costs				\$257.84
6. Net Income (11th year and thereafter)				\$342.16

^{1/} Includes payment to water district.

PECANS, IRRIGATED, WEBB-MAVERICK REGION

11160121

Estimated Costs, And Requirements Per Acre Of Pecans, Typical Management

Operation	Item No.	Date	Times Over	Labor Hours (1)	Tractor or Mach. Hrs.	Fuel, Oil, Lub., Rep. Per Acre	Fixed costs Per Acre
Disc	1,8	Jan-Dec	6	1.88	1.50	\$ 1.01	\$ 1.23
Fertilize	1	Jan-Feb	1	.19	.15	-	-
Spray	1,26	Apr-Sep	5	<u>3.75*</u>	<u>2.50</u>	<u>4.80</u>	<u>9.66</u>
Total				5.82	4.15	\$ 5.81	\$10.89
Irrigation:	31	Jan-Dec	6	7.50	6.00	\$.60	\$ 6.08
Hand Hoeing Pruning, Etc.		Jan-Dec	-	5.00	-	-	-

(1) Labor hours calculated at 1.25 times tractor hours except where noted by *.

* Calculated at 1.5 times tractor hours to allow for filling sprayer