MICROCOMPUTER CROP COST AND RETURN GENERATOR

BUDGET AREA...... VALENCIA AND SOUTHERN BERNALILLO COUNT Projected 2018 FARM SIZE...... 30.00 ACRES

IRRIGATION TYPE..... FLOOD

NUMBER OF CROPS...... 5

VERSION 1.0

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1,900.00 /ACRE	#REF!	#REF!
2,100.00 /ACRE	#REF!	#REF!

^{*} ETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)

	Total	3,379.73
		=======
Total per planted acre		125.18

^{**} NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)

		WATER	USE
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
ALFALFA ESTABLISHMENT ALFALFA OAT HAY SORGHUM HAY GREEN CHILE JALAPENOS DITCHES, HOMESTEAD	3.50 * 20.00 5.00 5.00 * 1.00 1.00 3.00	12 44 24 24 48 48	42 880 120 120 48 48
TOTAL	30.00		1,258
ACRE FE	ET PER ACRE OF WATER	RIGHTS	3.49

* DOUBLE-CROPPED

TABLE 2. Basic cost information for Valencia and Southern Bernalillo Counties

Projected 2018				
Item				
Labor Wage Rate:		\$/hour		\$7.50
Purchased Inputs:				
Fertilizer:				
Nitrogen (N)		\$/pound		\$0.3
Phosphate (P205)		\$/pound		\$0.24
Seed:				
Alfalfa		\$/pound		\$4.00
Oats		\$/pound		\$0.44
Green Chile		\$/pound		\$16.00
Jalapenos		\$/pound		\$50.00
Sorghum		\$/pound		\$1.32
Baling wire		\$/pound		\$1.32
Chile Sacks		\$/sack		\$0.18
Canal water		\$/acre		\$28.00
Energy:				
Butane		\$/gallon		\$2.8
Diesel fuel		\$/gallon		\$2.70
Gasoline		\$/gallon		\$2.40
Electricity		cents/KwH	r	12.6
Natural Gas		\$/MCF		\$4.0
Employee Liability Insurance		\$/\$1,000 wages		\$12.00
Employee Benefits		percent/wa	ges	12.009
Labor Downtime		percent		25.009
Financial Rates:				
Operating Capital Interest Rate		percent		5.509
Land Interest Rate		percent		5.00
Equipment Interest Rate		percent		5.50
Real Interest Rate		percent		3.00
Land Taxes	\$483.00	/acre (full v	alue)	\$5.2
Personal Property Tax Rate	- NR	\$/\$1,000	(Assessed	\$32.50
	- R		Value)	\$26.53
Supervision Factors				
Field Crop-Irrigation		\$/labor hou	ır	\$1.0
Field Crop-Equip & General		\$/labor hou		\$0.50
Vegetable Crop-Irrigation		\$/labor hou	ır	\$2.90
Vegetable Crop-Equip & General		\$/labor hou		\$1.00
Management Rate				
Field Crops		percent/GF	3	4.00
Vegetable Crops		percent/TC		10.009

TABLE 3. Overhead cost information for Valencia and Southern Bernalillo Counties, Projected 2018

Item					
Electricity (Domestic & Sh	nop)			per month	\$686
Telephone			\$44.45	per month	\$533
Accounting & Legal					\$191
Misc. Supplies & Hand To	ools				\$445
Pickup and Auto					
miles	5,232	@	\$0.500 per mile		\$2,616
Insurance					
- general liability (non-er	mployee)				\$197
- fire/theft					\$165
Property Taxes					
 non-planted land 					\$78
- other than land & mach	ninery				\$135
Building repairs and main	tenance				\$229
Dues, fees, publications					\$127
Farmstead Equipment					\$191
				Total	\$5,591
			Total per planted acre	•	\$207.09

ITEM & SIZE			VARIABLE COSTS FIXED COSTS									
		ANNUAL HOURS OF USE	NUMBER	TOTAL VALUE	FUEL, OIL, LUBRICANT	REPAIR	FUEL, OL PER HR	REPAIR PER HR		DEPRECIATION	TAXES	TOTAL PER HR
RACTOR	65 HP	51		\$4,950	\$293	\$66	\$11.67	\$1.29		\$539	\$117	\$12.9
MCKUP	1/2 TO		- 1	\$12,000	\$345	\$17	\$15.12	\$0.76		\$3,800	\$206	\$174.1
ALER, PTO	2 WI	tE 24	1	\$1,500	\$0	\$4	\$0.00	\$0.15		\$385	\$42	\$17.5
ULTNATOR	2 RC		1	\$250	\$0	\$1	\$0.00	\$0.31		\$33	\$3	\$11.1
NSC	8 FT	5	1	\$700	\$0	\$7	\$0.00	\$0.87		\$93	\$5	\$12.5
ISTER	2 RC		1	\$250	\$0	\$0	\$0.00	\$0.31		\$33	\$3	\$33.3
LOW (FLIP)	2 W		1	\$250	\$0	\$4	\$0.00	\$0.31		\$33	\$3	\$2.6
SORDER DISC	6 DIS	C 0	1	\$300	\$0	\$0	\$0.00	\$0.37		\$40	\$3	\$101.7
ED PLANTER		2	- 1	\$150	\$0	20	\$0.00	\$0.07		\$30	\$2	\$15.8
			EQUPMEN		\$941	\$100	-			\$4.967	\$385	
TEM		NEV VALUE	used		\$941 EQUIP CODE	\$100 MAX HOURS			ACCUM HOURS		\$385 INTEREST EXPENSE	
	м н	VALUE	USED	T LIST YEARS LIFE	EQUIP	MAX HOURS	UNITHE	COEF	HOURS	AGE	INTEREST EXPENSE	
TRACTOR	65 H	VALUE 21565.0	USED VALUE 4950.00	T LIST YEARS	EQUIP	MAX	UNIT/HB	0.10			INTEREST EXPENSE 593.04	-
RACTOR SCKUP ALER, PTO	1/2 T/ 2 W	VALUE 21565.0 3N 38000.0 RE 7700.0	USED VALUE 4250.00 19000.00	T LIST YEARS LIFE 40.00 10.00 20.00	EQUIP CODE 1.00 2.00 2.00	MAX HOURS 800.00 800.00	UNITAB 4.43 6.00 0.00	0.10 0.05 0.00	1058.05 299.00 437.40	AGE 21.00 13.00	INTEREST EXPENSE 593.04 1045.00 211.75	-
TRACTOR MCKUP SALER, PTO CULTIVATOR	1/2 TI 2 W 2 R	VALUE 2 21585.0 2N 38000.0 IRE 7700.0 2W 500.0	USED VALUE 4250.00 19000.00 1600.00 250.00	YEARS LIFE 40.00 10.00 20.00 15.00	EQUIP C006 1.00 2.00 2.00 3.00	MAX HOURS 800.00 800.00 500.00	4.42 6.00 0.00	0.10 0.05 0.00 0.00	1058.05 299.00 437.40 51.84	AGE 21.00 13.00 18.00 16.00	INTEREST EXPENSE 593.04 1045.00 211.75	
TRACTOR MCKUP SALER, PTO DULTINATOR	1/2 T/ 2 W 2 R/ 3 F	VALUE 21525.0 38000.0 RE 7700.0 W 500.0 1400.0	USED VALUE 4250.00 19000.00 1600.00 250.00 700.00	T LIST YEARS LIFE 40.00 10.00 20.00 15.00	EQUIP CODE 1.00 2.00 2.00 3.00 3.00	MAX HQURS 800.00 800.00 500.00 300.00	4.42 6.00 0.00 0.00	0.10 0.05 0.00 0.00 0.00	1058.05 299.00 437.40 51.84 128.95	AGE 21.00 13.00 18.00 16.00	INTEREST EXPENSE 593.04 1045.00 211.75 13.75 38.50	-
TRACTOR MCKUP SALER, PTO CULTNATOR SSC JSTER	1/2 T/ 2 W 2 R/ 5 F/ 2 R/	VALUE 2 21585.0 2N 38000.0 RE 7700.0 2W 500.0 1400.0 2W 500.0	USED VALUE 4250.00 19000.00 1600.00 250.00 700.00 250.00	T LIST YEARS LIFE 40.00 10.00 20.00 15.00 15.00 15.00	EQUIP CODE 1.00 2.00 2.00 3.00 3.00 3.00	MAX HOURS 800.00 500.00 300.00 300.00	4.45 6.00 0.00 0.00	0.10 0.05 0.00 0.00 0.00 0.00	1058.05 299.00 437.40 51.84 128.96 17.28	AGE 21.00 13.00 18.00 16.00 16.00	INTEREST EXPENSE 593.04 1045.00 211.75 13.75 38.50 13.75	-
TEM TRACTOR PICKUP BALER, PTO DUCTINATOR DISC LISTER PLOW (FLP) BORDER DISC	1/2 T/ 2 W 2 R/ 3 F	VALUE 2 21585.0 3N 38000.0 IRE 7700.0 5W 500.0 1400.0 5W 500.0 AY 500.0	USED VALUE 4250.00 19000.00 1600.00 250.00 250.00 250.00 250.00	T LIST YEARS LIFE 40.00 10.00 20.00 15.00	EQUIP CODE 1.00 2.00 2.00 3.00 3.00	MAX HQURS 800.00 800.00 500.00 300.00	4.45 6.00 0.00 0.00 0.00	0.10 0.05 0.00 0.00 0.00 0.00	1058.05 299.00 437.40 51.84 128.95	AGE 21.00 13.00 18.00 16.00	INTEREST EXPENSE 593.04 1045.00 211.75 13.75 38.50 13.75 13.75	-

ALFALFA FRT	ALFALFA HAY	GRAIN HAY	SORGHUM	GREEN	AN PENOS	PER ACRE TOTALS
1.95	1.06	2.25	0.58	4.09	4.09	14.07
0.00	0.00	0.00	0.00	20.00	3.00	23.00
0.00	1.06	0.27	0.27	0.00	0.00	1.62
0.00	0.00	0.00	0.00	1.62	1.62	3.24
0.62	0.00	0.62	0.31	0.62	0.62	2.79
0.00	0.00	0.00	0.00	0.54	0.54	1.06
1.31	0.00	1.31	0.00	1.31	1.31	5.24
0.05	0.00	0.05	0.00	0.00	0.00	0.10

	NITEDERT	PROPATION		
	HILLIALSI	PROMPLIAN		
	SMALL		GREEN	GREEN
ALFALFA	GRAIN	SORGHUM	CHILE	CHILE
HAY	HAY	HAY	D. S.	B.P.
	foliars per acr	18		
12.59	25.24	6.75	47.69	47.50
0.00	0.00	0.00	905.70	136.30
9.41	2.35	2.35	0.00	0.00
0.00	0.00	0.00	6.88	6.88
0.00	2.95	1.48	2.95	2.96
0.00	0.00	0.00	6.88	6.88
0.00	1.31	0.00	1.31	1.31
0.00	1.94	0.00	0.00	0.00

0.00 0.00	0.00	0.00	5.2	5		
22.00 34.80	10.60	974 41	210.2	7		
ALFALFA ESTABLISHMENT		ACRES:	15	PI MP W		
ALFALFA ESTABLISHMENT		ACRES:	3.5			
	PO	WER	TIMES	ACCOMPLIS		
MACHINE	UN	IT	OVER	RATE	TOTAL	CUSTOM
DISC PLOW	85 85	HP	1.00	0.31	0.31	
DISC LASER PLANE (CUSTOM)	65	HP	1.00	0.31	0.31	70.71
BORDER DISC DRILL (CUSTOM) (PER ACRE	65	HP	1.00	0.05	0.05	
DRILL (CUSTOM) (PER ACRE IRRIGATE (2X)			2.00	0.75	1.50	32.50
ALFALFAHAY		ACRES:	20	PUMP W	TED.	
		AUNES.	20	ACCOMPLIS		
		WER	TIMES			
MACHINE	UN	IT	OVER	RATE	TOTAL	CUSTOM
IRRIGATE (6X)			8.00	0.75	6.00	
SWATHER (CUSTOM) (PER A BALER, PTO (4X)	CRE)					23.33
BALER, PTO (4X)	65	HP	4.00	0.27	1.05	
SMALL GRAIN HAY		ACRES:	5	PUMP W	ATER:	
			TIMES	ACCOMPLIS	HMENT	
MACHINE	UN	WER	OVER	RATE	TOTAL	CUSTOM
PLOW	- 65	HP	1.00	1.31	1.31	
DISC (2X) BORDER DISC	65	HP	2.00	0.31	0.62	
DRILL (CUSTOM) (PER ACRE IRRIGATE (4X)			4.00	0.75	3.00	7.53
IRRIGATE (4X)			4.00	0.75	3.00	
SWATHER (CUSTOM) (PER A BALER, PTO	CRE)	нр	1.00	0.27	0.27	23.33
	-		-			
SORGHUM HAY		ACRES:	5	PUMP W	ATER:	
SORGHUM HAY						
	PO	wee	TMES	ACCOMPLIS	HMENT	CLISTOM
MACHINE	PO	WER	TIMES	ACCOMPLIE RATE	HMENT TOTAL	сизтом
MACHINE DISC DRILL (CUSTOM)	PO	WER	TIMES OVER	RATE 0.31	TOTAL 0.31	CUSTOM 7.53
MACHINE	PO	WER	TIMES	ACCOMPLIE RATE	HMENT TOTAL	
MACHINE DISC DIRL (CUSTOM) IRRIGATE (4X)	PO	WER	TIMES OVER	RATE 0.31	TOTAL 0.31	
MACHINE DISC DREL (CUSTOM) IRRIGATE (4X)	PO UN ES	WER IT	TIMES OVER 1.00 4.00	RATE 0.31 0.75	TOTAL 0.31 3.00	
MACHINE DISC DIRL (CUSTOM) IRRIGATE (4X)	PO	WER IT	TIMES OVER	RATE 0.31	TOTAL 0.31	7.53
MACHNE DISC DRALL(CUSTOM) PRRIGATE (4X) SWATHER (CUSTOM) (2X) BALER, PTO (2X)	PO UN 65	WER IT HP	TIMES OVER 1.00 4.00	0.31 0.75	0.31 3.00 0.27	7.53
MACHINE DISC DREL (CUSTOM) IRRIGATE (4X)	PO UN 65	WER IT	TIMES OVER 1.00 4.00	RATE 0.31 0.75 0.27 PLMP W	TOTAL 0.31 3.00 0.27	7.53
MACHNE DISC DRALL(CUSTOM) PRRIGATE (4X) SWATHER (CUSTOM) (2X) BALER, PTO (2X)	PO UN 65	WER IT HP HP ACRES:	TIMES OVER 1.00 4.00	RATE 0.31 0.75 0.27 PLMP W ACCOMPLE	TOTAL 0.31 3.00 0.27 ATER:	7.53
MACHNE DISC DRALL(CUSTOM) PRRIGATE (4X) SWATHER (CUSTOM) (2X) BALER, PTO (2X)	PO UN 65	WER IT HP HP ACRES:	TIMES OVER 1.00 4.00	RATE 0.31 0.75 0.27 PLMP W	TOTAL 0.31 3.00 0.27 ATER: HMENT	7.53
MACHINE DISC. DIREL (CUSTOM) BRIGATE (QQ) SWATHER (CUSTOM) (ZX) SWATHER (CUSTOM) (ZX) GREEN CHILE (DIRECT SEED) MACHINE DISC.	PO UN	WER IT HP ACRES: WER IT	TIMES OVER 1.00 4.00 1.00 1.00 1.00 TIMES OVER 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	RATE 0.31 0.75 0.27 PLMP W ACCOMPLE RATE 0.31	TOTAL 0.31 3.00 0.27 STER: HMENT TOTAL 0.31	7.53
MACHINE DISC. (DUSTOM) RRISATE (40) SWATHER (CUSTOM) (2X) BALER, PTO (2X) GREEN CHALE (DIRECT SEED) MACHINE DISC. DISC.	PO UN	WER IT HP ACRES: WER IT HP	TIMES OVER 1.00 4.00 1.00 1.00	RATE 0.31 0.75 0.27 PUMP W ACCOMPLIE RATE	TOTAL 0.31 3.00 0.27 ATER: HMENT TOTAL	7.53 23.33 CUSTOM
MACHINE DISC. DIREL (CUSTOM) RISSCATE (40) SWATHER (CUSTOM) (2X) BALER, PTO (2X) BALER, PTO (2X) MACHINE DISC.	PO UN ES	WER IT HP ACRES: WER IT HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	PLIMP W ACCOMPLIS RATE 0.31 0.75 0.27 PLIMP W ACCOMPLIS RATE 0.31 1.31 0.35	0.31 3.00 0.27 ATER: HMENT TOTAL 0.31 1.31 0.35	7.53
MACHINE DISC. DISCL. (CUSTOM) RINGAITE (40) SWATHER CUSTOM) (20) BAREN, PTO (20) MACHINE DISC. MACHINE DISC. DISC. LAGER PLANE (CUSTOM) LAGER PLANE (CUSTOM)	PO UN	WER IT HP ACRES: WER IT HP HP HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	RATE 0.31 0.75 0.27 PLMP W ACCOMPLE RATE 0.31 1.31 0.31	0.31 3.00 0.27 XTER: HMENT TOTAL 0.31 0.31 0.34	7.53 23.33 CUSTOM
MACHNE DREL (CUSTOM) RREGATE (40) SWATHER ELECTOM (20) BALER, PTO (20) GREEN CHEE (DRECT SEED) MACHNE DBC DBC DBC LOW FLAW LO	PO UN ES	WER IT HP ACRES: WER IT HP HP HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	RATE 0.31 0.75 0.27 PLIMP W ACCOMPLE 0.31 1.31 0.35 0.26 32.00 0.54	TOTAL 0.31 3.00 0.27 ATER: HMENT TOTAL 0.31 1.31 0.34 32.00 1.42 30.00	7.53 23.33 CUSTOM
MACHINE DISC. DISCL. (CUSTOM) RINGAITE (40) SWATHER CUSTOM) (20) BAREN, PTO (20) MACHINE DISC. MACHINE DISC. DISC. LAGER PLANE (CUSTOM) LAGER PLANE (CUSTOM)	PO UN	WER IT HP ACRES: WER IT HP HP HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	RATE 0.31 0.75 0.27 PLIMP W ACCOMPLIS 1.31 0.31 1.31 0.31 0.34	0.31 3.00 0.27 ATER: HMENT TOTAL 0.31 1.31 0.31 0.34 32.00	7.53 23.33 CUSTOM
MACHINE DOSC MACHINE DOSC DOSC MACHINE DOSC DOSC DOSC MACHINE DOSC	PO UN	WER IT HP ACRES: WER IT HP HP HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLES RATE 0.31 0.75 0.27 PLINP W ACCOMPLES RATE 0.31 1.31 0.54 32.00 0.75	HMENT TOTAL 0.31 3.00 0.27 ATER: HMENT TOTAL 0.31 1.31 0.31 0.34 32.00 12.00 12.00	7.53 23.33 CUSTOM
MACHINE DOSC MACHINE DOSC DOSC MACHINE DOSC DOSC DOSC MACHINE DOSC	PO UN 65	WER IT HP ACRES: WER IT HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.75 0.27 PLIMP W ACCOMPLE RATE 0.31 1.31 0.31 0.34 32.00 0.35 32.00 0.75	TOTAL 0.31 3.00 0.27 ATER: HMENT TOTAL 0.31 1.31 0.34 32.00 1.42 30.00	7.53 23.33 CUSTOM
MACHNE DREL (CUSTOM) RREGATE (40) SWATHER ELECTOM (20) BALER, PTO (20) GREEN CHEE (DRECT SEED) MACHNE DBC DBC DBC LOW FLAW LO	PO UN 65	WER IT HP ACRES: WER IT HP HP HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLES RATE 0.31 0.75 0.27 PLINP W ACCOMPLES RATE 0.31 1.31 0.54 32.00 0.75	TOTAL 0.31 3.00 0.27 XTER: HMENT TOTAL 0.31 1.31 0.34 32.00 1.62 30.00 12.00	7.53 23.33 CUSTOM
MACHINE DOSC MACHINE DOSC DOSC MACHINE DOSC DOSC DOSC MACHINE DOSC	PO UN 65	WER IT HP ACRES: WER IT HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.75 0.27 PLIMP W ACCOMPLE RATE 0.31 1.31 0.31 0.34 32.00 0.35 32.00 0.75	TOTAL 0.31 3.00 0.27 XTER: HMENT TOTAL 0.31 1.31 0.34 32.00 1.62 30.00 12.00	7.53 23.33 CUSTOM
MACHER DOC. DORL COURTON PROCEST (40) PROCEST (40) DOWNING COURTON PROCEST (40) PR	PO UN 65 65 65 65 65 65 65 65 65 65 65 65 65	WER IT HP	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.75 0.27 PLMP W ACCOMPLE RATE 0.31 1.31 1.33 0.34 32.00 0.75	HMENT TOTAL 0.31 3.00 0.27 STER: HMENT TOTAL 0.31 1.31 0.31 1.32 0.31 1.32 0.31 1.32 0.31 1.32 0.31 1.32 0.33 1.32 0.32 0.32 0.32 0.32 0.32 0.32 0.32 0	7.53 23.33 CUSTOM
MACHINE DOSS MACHINE DOSS MACHINE DOSS DOS	PO UN 65 65 65 65 65 65 65 65 65 65 65 65 65	WER IT HP ACRES: WER IT HP HP HP HP	TIMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.75 0.27 PLMP W ACCOMPLE RATE 0.31 1.31 0.31 0.34 32.00 0.75 100.00 20.00	HMENT TOTAL 0.31 3.00 0.27 3.00 0.27 TOTAL 0.31 1.31 1.31 1.32 1.32 1.32 1.32 1.32 1	7.53 23.33 CUSTOM
MACHER DOC. DORL COURTON PROCEST (40) PROCEST (40) DOWNING COURTON PROCEST (40) PR	PO (IN) (IN) (IN) (IN) (IN) (IN) (IN) (IN)	WER IT ACRES ACRES ACRES ACRES ACRES	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.75 0.27 PLMP W ACCOMPLE RATE 0.31 1.31 1.33 0.34 32.00 0.75	HMENT TOTAL 0.31 3.00 0.27 3.00 0.27 TOTAL 0.31 1.31 1.31 1.32 1.32 1.32 1.32 1.32 1	7.53 23.33 CUSTOM
MACHER DOC. DORL COURTON PROCEST (40) PROCEST (40) DOWNING COURTON PROCEST (40) PR	PO (IN) (IN) (IN) (IN) (IN) (IN) (IN) (IN)	WER IT IP ACRES WER IT IP IP IP IF TON	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.75 0.27 PLMP W ACCOMPLE RATE 0.31 1.31 0.31 0.34 32.00 0.75 100.00 20.00	HMENT TOTAL 0.31 3.00 0.27 3.00 0.27 TOTAL 0.31 1.31 1.31 1.32 1.32 1.32 1.32 1.32 1	7.53 23.33 CUSTOM
MACHEE DOC. DOC. DOC. DOC. DOC. DOC. DOC. DOC	PO P	WER III III III III III III III III III I	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.37 0.37 PURP W ACCOMPLE 1.31 0.34 3.00 0.75 100.00 20.00 PURP W ACCOMPLE RATE	HMENT TOTAL 0.31 3.00 0.27 0.27 TOTAL 0.31 1.00 0.27 TOTAL 0.31 0.34 3.00 100.00 20.00 EXTER: HMENT TOTAL 0.31 100.00 20.00	7.53 23.33 CUSTOM 70.71
MACHINE DEC DEC DEC DEC DEC DEC DEC DEC DEC DE	PO UN HA	WER III HIP	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	ACCOMPLE RATE 0.31 0.75 0.27 PUMP W ACCOMPLE 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.30 PUMP W ACCOMPLE FAITE	HMENT TOTAL 0.31 3.00 0.27 EXTER: HMENT TOTAL 1.03 1.02 1.02 1.02 2.00 2.00 EXTER: HMENT TOTAL	7.53 23.33 CUSTOM 70.71
MACHINE DIRECTORY DI	PO UN HAW	WER II IP ACRES WIR II II IP ACRES WER II	TRMES OVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	RATE 0.31 0.75 0.27 PLIMP W ACCOMPLE 0.31 1.31 0.31 1.02 0.00 0.75 0.75 0.75 0.75 0.75 0.75 0.75	HMENT TOTAL 0.31 1.00 0.27 ATER: HMENT TOTAL 2.00 1.02 1.02 1.02 2.00 1.00	7.53 23.33 CUSTOM 70.71
MACHINE DEC DEC DEC DEC DEC DEC DEC DEC DEC DE	PO IN	WER III III III III III III III III III I	TRMES COVER 1.00 4.00 1.00 1.00 1.00 1.00 1.00 1.00	RATE 0.31 0.75 0.27 PLMPW ACCOMPLE 0.31 1.31 1.33 1.00.00 0.00 0.00 0.00 PLMPW ACCOMPLE 0.31 1.00.00 0.00 0.00 0.00 0.00 0.00 0	HMENT TOTAL 0.31 3.00 0.27 ATER: HMENT TOTAL 0.31 0.31 0.32 0.32 0.32 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30 0.30	7.53 23.33 CUSTOM 70.71
MACHINE DREAL CUSTOM PRINCIPLE (10) REGISTRA (10) BALER PT (12) BALER PT (12) MACHINE	PO UN HAW	WER III III III III III III III III III I	TIMES OVER 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	RATE 0.31 0.75 0.27 PUMP W ACCOMPLE 1.31 0.35 100.00 0.05 PUMP W ACCOMPLE 1.31 1.31 1.31 1.31 1.31 1.31 1.31 1.3	HMENT TOTAL 0.31 3.00 0.27 EXTER: HMENT TOTAL 0.31 1.30 1.30 1.30 1.30 1.30 1.30 1.3	7.53 23.33 CUSTOM 70.71
MICHINE DREL (DUSTON) WRIGHT (10) WRIGHT (10) MARIA PTO (20) MARIA PTO (20) MACHINE DRE ROW MACHINE DRE ROW MACHINE MA	PO IN	WER III III III III III III III III III I	TRMES COVER 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	RATE 0.31 0.75 0.27 PLMPW ACCOMPLE 1.31 0.31 0	HMENT TOTAL 0.31 1.00 0.27 EMBENT TOTAL 1.01 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.02 1.03	7.53 23.33 CUSTOM 70.71

HARVEST HAUL & SELL

1.00 100.00 100.00 0.09 HALFTON 1.00 3.00 3.00

			ANNUAL RE	PAR COSTS	AS A PERC	ENT OF NEV	VALUE		
Hours									
of Use	1	2	3	4	5	6	7		9
								**	
0	0.0000050	0.000020	0.000620	0.000020	0.0000080	0.000140	0.000040	0.000240	0.000200
50	0.0000000	0.000020	0.000620	0.000020	0.000080	0.000140	0.000040	0.000240	0.000200
100	0.0000000	0.000020	0.000500	0.000020	0.000140	0.000220	0.000100	0.000380	0.000300
200	0.000030	0.000030	0.000430	0.000040	0.000180	0.000260	0.000110	0.000510	0.000260
300 400	0.000030	0.000050	0.000330	0.000000	0.000230	0.000310	0.000140	0.000630	0.000400
500	0.000030	0.000000	0.000350	0.000000	0.000280	0.000370	0.000150	0.000710	0.000450
500	0.000030	0.000090	0.000340	0.000120	0.000310	0.000390	0.000170	0.000850	0.000530
700	0.000030	0.000000	0.000340	0.000130	0.000330	0.000410	0.000200	0.000910	0.000560
800	0.000030	0.000110	0.000320	0.000150	0.000350	0.000430	0.000210	0.000980	0.000590
900	0.000030	0.000120	0.000320	0.000160	0.000370	0.000450	0.000230	0.001020	0.000600
1000	0.000090	0.000130	0.000310	0.000180	0.000380	0.000460	0.000230	0.001070	0.000630
1200	0.000045	0.000145	0.000305	0.000205	0.000405	0.000450	0.000245	0.001135	0.000710
1400	0.000045	0.000170	0.000300	0.000230	0.000435	0.000510	0.000410	0.001250	0.000765
1500	0.000150	0.000170	0.000300	0.000230	0.000435	0.000510	0.000410	0.001250	0.000765
1600	0.000150	0.000190	0.000285	0.000255	0.000465	0.000525	0.000135	0.001235	0.000805
1800	0.000075	0.000170	0.000285	0.000285	0.000485	0.000550	0.000295		
2000	0.000110	0.000265	0.000280	0.000305	0.000505	0.000565	0.000310		
2500	0.000055								
3000	0.000070								
3500	0.000082								
4000 4500	0.000096								
5000	0.000108								
5500	0.000122								
6000	0.000145								
6500	0.000162								
7000	0.000176								
7500	0.000188								
8000	0.000204								
		Based on un	published da			nt of Agricults	rai		
			Engineering	University of	Ilinois.				
	_		aricultural Ma						
		based on A		earbook, 195					
			Engineers :						
	Codes								
	20000								
	1	tractors							
	2	balers, comb	ines, forage l						
	3		lisks, moldbox		sels, field cult	ivators			
			rs, laser plan						
	4		gons, floats, r	oto buck, dra	g, roller, wate	r furrow,			
		bed shaper							
	5		cotton picks						
		com neads,	forage equips tarm trucks	ment, robary m	owers, stalk	moppers.			
		rakes, cutter							
	7		ine, manure a						
	- 4		ine, manure s is, seeding ec		mind services				
		fertilizer dist	buting equip	ment	prayer	-			
	-		3-1-1						

TABLE 5. Alfalfa establishment, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties,
Projected 2018

Projected 2018
Planting dates: August 15 - September 15 PURCHASED QUANTITY ITEM TOTAL INPUTS PURCHASED INPUTS ALFALFA SEED 20.00 LBS \$4.00 \$80.00 \$80.00 CANAL WATER 12.00 AC. IN. \$0.00 SUBTOTAL \$80.00 \$80.00 POWER ACCOMPLISHMENT PURCHASED FUEL & FIXED COST PREHARVEST OPERATIONS UNIT INPUTS LABOR LUBE REPAIRS TOTAL RATE 65 HP 0.31 HR \$3.62 \$7.88 \$14.49 DISC \$2.33 \$0.67 PLOW DISC 65 HP 65 HP 1.31 HR 0.31 HR \$9.83 \$2.33 \$15.29 \$3.62 \$2.10 \$0.67 \$20.33 \$7.88 \$47.54 \$14.49 LASER PLANE (CUSTOM)
BORDER DISC
DRILL (CUSTOM)
IRRIGATE (2X) \$70.71 \$6.78 \$70.71 65 HP 0.05 HR \$0.38 \$0.58 \$0.08 \$5.73 \$32.50 \$11.25 \$32.50 \$11.25 1.50 HR SUBTOTAL 3.48 HR \$103.21 \$26.10 \$23.10 \$3.52 \$41.82 \$197.76 OVERHEAD EXPENSES DOWNTIME \$3.71 \$3.13 \$3.71 \$3.13 0.50 HR EMPLOYEE BENEFITS INSURANCE SUPERVISION AND MANAGEMENT \$0.31 \$0.31 \$13.60 \$13.60 SUBTOTAL 0.50 HR \$0.31 \$20.45 \$20.76 TOTAL OPERATING EXPENSES 3.98 HR \$46.55 \$23.10 \$3.52 \$298.52 \$183.52 \$41.82

TABLE 6. Alfalfa hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties,

Projected 2018
Harvesting dates: June 1 - October 15 ITEM PRICE YIELD TOTAL GROSS RETURNS 4.00 TONS (IN FIELD) 1.00 ACRE ALFALFA HAY \$175.00 \$700.00 GRAZING \$10.00 \$10.00 TOTAL \$710.00 PURCHASED FIXED QUANTITY PURCHASED INPUTS PRICE INPUTS TOTAL COST PHOSPHATE (P2O5) \$0.24 \$1.32 90 LBS 30 LBS \$21.60 \$39.60 \$21.60 \$39.60 ESTABLISHMENT: Principal : Interest \$49.75 \$8.60 \$49.75 \$8.60 6 YEARS CANAL WATER 44 AC. IN. \$28.00 \$28.00 \$89.20 \$147.56 SUBTOTAL \$58.36 POWER ACCOMPLISHMENT PURCHASED FUEL & FIXED PREHARVEST OPERATIONS REPAIRS UNIT RATE INPUTS LABOR LUBE COST TOTAL IRRIGATE (8X) \$45.00 6.00 HR \$45.00 HARVEST OPERATIONS SWATHER (CUSTOM) \$23.33 \$23.33 BALER, PTO (4X) 65 HP 1.08 HR \$8.10 \$12.60 \$1.56 \$32.90 \$55.16 SUBOTOTAL 1.08 HR \$23.33 \$8.10 \$12.60 \$1.56 \$32.90 \$78.49 OVERHEAD EXPENSES DOWNTIME 0.27 HR \$2.03 \$0.97 \$2.03 EMPLOYEE BENEFITS \$0.97 INSURANCE \$0.10 \$0.10 LAND TAXES \$5.24 \$5.24 SUPERVISION AND MANAGEMENT \$34.94 \$34.94 OTHER EXPENSES \$207.09 \$207.09 SUBTOTAL 0.27 HR \$207.19 \$37.94 \$5.24 \$250.36 TOTAL OPERATING EXPENSES 1.35 HR \$319.72 \$91.04 \$12.60 \$1.56 \$96.49 \$521.41 NET OPERATING PROFIT \$188.59 INTEREST ON OPERATING CAPITAL \$47.72 @ 5.50%) \$2.62 INTEREST ON EQUIPMENT \$22.00 RETURN TO LAND AND RISK \$163.96 BUDGET SUMMARY

	BUDGET SUMIN	VIARY	
GROSS RETURN	\$	710.00	
VARIABLE OPERATING EXPENSES	\$333.88		
RETURN OVER VARIABLE EXPENSES	\$:	376.12	(GROSS MARGIN)
FIXED EXPENSES	\$96.49		
NET FARM INCOME	\$2	279.63	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$91.04		
NET OPERATING PROFIT	\$	188.59	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$24.63		
RETURN TO LAND AND RISK	\$	163.96	

TABLE 7. Small grain hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2018
Planting dates: March 1 - May 1
Harvesting dates: June 15 - July 15

Harvesting dates: June 15 - June 15	uly 15									
ITEM	PRICE		YIELI	D						TOTAL
GROSS RETURNS SMALL GRAIN HAY	\$175.00		2.50	NS (IN FIE	ELD)					\$437.50
TOTAL									-	\$437.50
PURCHASED INPUTS	PRICE		QUANT	TTY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED	\$0.44		100	LBS	\$44.00					\$44.00
WIRE	\$1.32		25	LBS	\$33.00					\$33.00
CANAL WATER			24	AC. IN.	\$28.00					\$28.00
SUBTOTAL					\$105.00				-	\$105.00
	POWER		ACCOMPLIS	SHMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT		RATI	E	INPUTS	LABOR	LUBE	REPAIRS	COST	TOTAL
PLOW	65 HP		1.31			\$9.83	\$15.29	\$2.10	\$20.33	\$47.54
DISC (2X) BORDER DISC	65 HP 65 HP		0.62 0.05			\$4.65 \$0.38	\$7.23 \$0.58	\$1.34 \$0.08	\$15.76 \$5.73	\$28.99 \$6.78
DRILL (CUSTOM)	551				\$7.53		ψ0.00	ψ0.00	ψοσ	\$7.53
IRRIGATE (4X)			3.00	HR		\$22.50				\$22.50
SUBTOTAL			4.98	HR	\$7.53	\$37.35	\$23.10	\$3.52	\$41.82	\$113.33
HARVEST OPERATIONS										
SWATHER (CUSTOM)					\$23.33					\$23.33
BALER, PTO	65 HP		0.27	HR		\$2.03	\$3.15	\$0.39	\$8.22	\$13.79
SUBTOTAL			0.27	HR	\$23.33	\$2.03	\$3.15	\$0.39	\$8.22	\$37.12
OVERHEAD EXPENSES										
DOWNTIME			0.56	HR		\$4.22				\$4.22
EMPLOYEE BENEFITS					00.47	\$4.73				\$4.73
INSURANCE LAND TAXES					\$0.47				\$2.62	\$0.47 \$2.62
SUPERVISION AND MANAGEMENT						\$21.63				\$21.63
OTHER EXPENSES					\$103.55					\$103.55
SUBTOTAL			0.56	HR	\$104.02	\$30.57			\$2.62	\$137.21
TOTAL OPERATING EXPENSES			5.81	HR	\$239.88	\$69.94	\$26.25	\$3.92	\$52.67	\$392.66
NET OPERATING PROFIT										\$44.84
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT		(\$61.40	@	5.50%)				\$3.38 \$34.80
RETURN TO LAND AND RISK										\$6.66
		BUDGET	SUMMARY							
GROSS RETURN			\$437.50							
VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES		\$270.05	\$167.45	(CDO)	SS MARGIN)					
FIXED EXPENSES		\$52.67	\$107.45	(GROS	55 WARGIN)					
NET FARM INCOME LABOR AND MANAGEMENT COST		\$69.94	\$114.78	(RETU	RN TO CAPITAL, L	ABOR, LAND	0 & RISK)			
NET OPERATING PROFIT CAPITAL COSTS		\$38.18	\$44.84	(RETU	RN TO CAPITAL, L	AND & RISK)			
RETURN TO LAND AND RISK		φ30.18	\$6.66							

TABLE 8. Sorghum hay, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2018
Planting dates: July 1 - July 31
Harvesting dates: August 10 - September 30

Harvesting dates: August 10 -	September 30									
ITEM	PRICE		YIEL	D						TOTAL
GROSS RETURNS SORGHUM HAY GRAZING	\$160.00 \$5.00			TONS (III ACRE	N FIELD)					\$320.00 \$5.00
TOTAL									-	\$325.00
PURCHASED INPUTS	PRICE		QUANT	TITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED WIRE CANAL WATER	\$1.32 \$1.32		17	LBS LBS AC. IN.	\$46.20 \$22.44 \$28.00					\$46.20 \$22.44 \$28.00
SUBTOTAL					\$96.64				-	\$96.64
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLIS RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC DRILL (CUSTOM) IRRIGATE (4X)	65 HP		0.31 3.00		\$7.53	\$2.33 \$22.50	\$3.62	\$0.67	\$7.88	\$14.49 \$7.53 \$22.50
SUBTOTAL		,	3.31	HR	\$7.53	\$24.83	\$3.62	\$0.67	\$7.88	\$44.52
HARVEST OPERATIONS										
SWATHER (CUSTOM) (2X) BALER, PTO (2X)	65 HP		0.27	HR	\$23.33	\$2.03	\$3.15	\$0.39	\$8.22	\$23.33 \$13.79
SUBTOTAL		,	0.27	HR	\$23.33	\$2.03	\$3.15	\$0.39	\$8.22	\$37.12
OVERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES			0.15	HR	\$0.32 \$103.55	\$1.09 \$3.22 \$16.29			\$2.62	\$1.09 \$3.22 \$0.32 \$2.62 \$16.29 \$103.55
SUBTOTAL		•	0.15	UD	\$103.87	\$20.60			\$2.62	\$103.55
TOTAL OPERATING EXPENSES		•	3.73		\$231.37	\$47.45	\$6.77	\$1.06	\$18.72	\$305.37
NET OPERATING PROFIT			3.73	ПК	φ231.37	φ47.43	φ0.77	\$1.00	\$10.72	\$19.63
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT		(\$51.63	@	5.50%)				\$2.84 \$10.60
RETURN TO LAND AND RISK										\$6.19
		BUDGET	SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES FIXED EXPENSES NET FARM INCOME		\$239.20 \$18.72	\$325.00 \$85.80 \$67.08		SS MARGIN) RN TO CAPITAL,	LABOR, LAN	ID & RISK)			
LABOR AND MANAGEMENT COST NET OPERATING PROFIT CAPITAL COSTS RETURN TO LAND AND RISK		\$47.45 \$13.44	\$19.63 \$6.19	(RETU	RN TO CAPITAL,	LAND & RISI	<)			

TABLE 9. Green chile, flood-irrigated, budgeted per acre costs and returns for a 30 acre part-time Valencia and Southern Bernalillo Counties, Projected 2018
Planting dates: April 10 - May 1
Harvesting dates: August 1 - October 15

Harvesting dates: August 1 - 0	October 15									
ITEM	PRICE		YIEL	D						TOTAL
GROSS RETURNS GREEN CHILE RED CHILE	\$7.50 \$0.90		275.00 400.00		S (22 LBS PER B	USHEL)				\$2,062.50 \$360.00
TOTAL										\$2,422.50
PURCHASED INPUTS	PRICE		QUANT	TTY	PURCHASED INPUTS				FIXED	TOTAL
CHILE SEED NITROGEN (N) HERBICIDE (GRANULAR) INSECTICIDE (GRANULAR) SACKS CANAL WATER	\$16.00 \$0.31 \$35.06 \$19.65 \$0.18		130 1 1 375	LBS LBS X/ACRE X/ACRE EACH AC. IN.	\$112.00 \$40.30 \$35.06 \$19.65 \$67.50 \$28.00					\$112.00 \$40.30 \$35.06 \$19.65 \$67.50 \$28.00
SUBTOTAL				-	\$302.51					\$302.51
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLIS RATI		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
DISC PLOW DISC LASER PLANE (CUSTOM)	65 HP 65 HP 65 HP		0.31 1.31 0.31	HR	\$70.71	\$2.33 \$9.83 \$2.33	\$3.62 \$15.29 \$3.62	\$0.67 \$2.10 \$0.67	\$7.88 \$20.33 \$7.88	\$14.49 \$47.54 \$14.49 \$70.71
LISTER PLANT/BED SHAPE	65 HP		0.54 32.00			\$4.05 \$240.00	\$6.30	\$0.87	\$24.99	\$36.20 \$240.00
CULTIVATOR (3X) THIN & HOE IRRIGATE (16X)	65 HP		1.62 30.00 12.00	HR HR		\$12.15 \$225.00 \$90.00	\$18.90	\$2.60	\$38.92	\$72.57 \$225.00 \$90.00
SUBTOTAL			78.09	HR	\$70.71	\$585.68	\$47.73	\$6.91	\$100.00	\$811.01
HARVEST OPERATIONS										
HARVEST HAUL & SELL	HALF TON		100.00 20.00			\$750.00 \$150.00	\$302.40	\$15.20	\$116.12	\$750.00 \$583.72
SUBTOTAL			120.00	HR		\$900.00	\$302.40	\$15.20	\$116.12	\$1,333.72
OVERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES			6.02	HR	\$17.83 \$207.09	\$45.17 \$178.28 \$258.97			\$5.24	\$45.17 \$178.28 \$17.83 \$5.24 \$258.97 \$207.09
SUBTOTAL			6.02	HR	\$224.92	\$482.42			\$5.24	\$712.58
TOTAL OPERATING EXPENSES			204.11	HR	\$598.14	\$1,968.10	\$350.13	\$22.11	\$221.35	\$3,159.82
NET OPERATING PROFIT										(\$737.32)
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT		(\$191.38	@	5.50%)				\$10.53 \$974.41
RETURN TO LAND AND RISK										(\$1,722.25)
		BUDGET	SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES FIXED EXPENSES NET FARM INCOME LABOR AND MANAGEMENT COST NET OPERATING PROFIT		\$970.37 \$221.35 \$1,968.10	\$2,422.50 \$1,452.13 \$1,230.78 (\$737.32)	(RETU	SS MARGIN) RN TO CAPITAL, RN TO CAPITAL,		,			
CAPITAL COSTS RETURN TO LAND AND RISK		\$984.93	(\$1,722.25)						_	

TABLE 10. Jalapenos, flood-irrigated, budgeted per acre costs and returns for a 30 acre, part-time Valencia and Southern Bernalillo Counties, Projected 2018

DISC 65 HP 0.31 HR PLOW 65 HP 1.31 HR DISC 65 HP 0.31 HR DISC 65 HP 0.31 HR \$70.71 LASER PLANE (CUSTOM) LISTER 65 HP 0.54 HR STO.71 LISTER 65 HP 0.54 HR PLANT/BED SHAPE 65 HP 2.00 HR \$ CULTIVATOR (3X) 65 HP 1.62 HR \$ THIN & HOE 25.00 HR \$ 11 IRRIGATE (16X) 12.00 HR \$ SUBTOTAL 43.09 HR \$70.71 \$ 3			FIXED COST	\$3,300.00 \$3,300.00
TOTAL TOTA				\$3,300.00
PURCHASED INPUTS PRICE QUANTITY INPUTS JALAPENO SEED \$50.00 3 LBS \$150.00 NITROGEN (N) \$0.31 150 LBS \$46.50 PHOSPHATE (P205) \$0.24 75 LBS \$18.00 HERBICIDE (GRANULAR) \$35.06 1 X/ACRE \$35.06 INSECTICIDE (GRANULAR) \$19.65 1 X/ACRE \$19.65 SACKS \$1.00 10 EACH \$10.00 CANAL WATER 48 AC. IN. \$28.00 SUBTOTAL POWER ACCOMPLISHMENT PURCHASED INPUTS LAE PREHARVEST OPERATIONS UNIT RATE INPUTS LAE DISC 65 HP 0.31 HR DISC 65 HP 0.31 HR DISC 65 HP 0.31 HR LASER PLANE (CUSTOM) LISTER 66 HP 0.54 HR \$70.71 LISTER 66 HP 2.00 HR \$70.71 LISTER 66 HP 2.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 1.62 HR \$ SUBTOTAL 43.09 HR \$70.71 SUBTOTAL 43.09 HR \$70.71 \$3 HARVEST (CUSTOM) HARVEST (CUSTOM) LISTER 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$1 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$2.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP 3.00 HR \$3 ST. INPUTS LAE CULTIVATOR (3X) 65 HP				
PURCHASED INPUTS				TOTA
PURCHASED INPUTS				TOTA
PURCHASED INPUTS				TOTA
NITROGEN (N)				
NITROGEN (N)				
PHOSPHATE (P205) \$0,24 75 LBS \$18,00 HERBICIDE (GRANULAR) \$35.06 1 X/ACRE \$19.65 INSECTICIDE (GRANULAR) \$19.65 1 X/ACRE \$19.65 SACKS \$1.00 10 EACH \$10.00 CANAL WATER \$307.21 SUBTOTAL				\$150.0
HERBICIDE (GRANULAR)				\$46.5
NAME				\$18.0 \$35.0
SACKS \$1.00				\$19.6
SUBTOTAL				\$10.0
POWER LASE PUNIT RATE NPUTS LASE				\$28.0
POWER LASE PUNIT RATE NPUTS LASE				\$307.2
DISC				\$307.2
DISC	FUEL &		FIXED	
PLOW 65 HP 1.31 HR DISC 65 HP 0.31 HR ST0.71 LASER PLANE (CUSTOM) LISTER 65 HP 0.54 HR \$70.71 LISTER 65 HP 0.54 HR \$70.71 LISTER 65 HP 0.54 HR \$\$1 PLANT/BED SHAPE 65 HP 2.00 HR \$\$ CULTIVATOR (3X) 65 HP 1.62 HR \$\$ THIN & HOE 25.00 HR \$\$1 IRRIGATE (16X) 12.00 HR \$\$1 SUBTOTAL 43.09 HR \$70.71 \$\$3 HARVEST OPERATIONS HARVEST (CUSTOM) \$\$1,9 HAUL & SELL HALF TON 3.00 HR \$\$2,0 OVERHEAD EXPENSES DOWNTIME 1.77 HR \$\$ EMPLOYEE BENEFITS \$\$ INSURANCE \$\$27.91 LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES \$\$207.09 SUBTOTAL 1.77 HR \$\$235.00 \$\$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$\$3,0	ABOR LUBE	REPAIRS	COST	TOTA
PLOW 65 HP 1.31 HR DISC 65 HP 0.31 HR 250.01 H	#0.00 #0.00	£0.07	67.00	C444
DISC LASER PLANE (CUSTOM) LISTER 65 HP 9.54 HR PLANT/BED SHAPE 65 HP 9.05 HR \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$2.33 \$3.62		\$7.88	\$14.4
LASER PLANE (CUSTOM) LISTER 65 HP 0.54 HR \$70.71 LISTER 65 HP 0.54 HR \$ CULTIVATOR (3X) 65 HP 1.62 HR \$ 1 25.00 HR \$ 1 12.00 HR \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$	\$9.83 \$15.29 \$2.33 \$3.62		\$20.33	\$47.5 \$14.4
LISTER 65 HP 0.54 HR PLANT/BED SHAPE 65 HP 2.00 HR \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$2.33 \$3.62	\$0.67	\$7.88	\$70.7
PLANT/BED SHAPE	\$4.05 \$6.30	\$0.87	\$24.99	\$36.2
CULTIVATOR (3X) 65 HP 1.62 HR \$ THIN & HOE 25.00 HR \$1 IRRIGATE (16X) 12.00 HR \$ SUBTOTAL 43.09 HR \$70.71 \$3 HARVEST OPERATIONS HARVEST (CUSTOM)	\$15.00 \$23.34		\$57.42	\$98.4
THIN & HOE IRRIGATE (16X) 25.00 HR \$1 12.00 HR \$1 12.0	\$12.15 \$18.90		\$38.92	\$72.5
SUBTOTAL 12.00 HR \$ \$ \$ \$ \$ \$ \$ \$ \$	187.50 ¢10.50	Ψ2.00	Ψ00.02	\$187.5
HARVEST OPERATIONS HARVEST (CUSTOM) HAUL & SELL HALF TON SUBTOTAL SUBTOTAL OVERHEAD EXPENSES DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES SUBTOTAL 1.77 HR \$2.0 \$27.91 \$47.86 HR \$612.92 \$3.0	\$90.00			\$90.0
HARVEST (CUSTOM) HAUL & SELL HALF TON SUBTOTAL SUBTOTAL 3.00 HR \$2,0 OVERHEAD EXPENSES DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES SUBTOTAL 1.77 HR \$235.00 \$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3,0	323.18 \$71.06	\$9.64	\$157.42	\$632.0
HAUL & SELL				
HAUL & SELL	000 00			\$1.980.0
SUBTOTAL 3.00 HR \$2,0 OVERHEAD EXPENSES DOWNTIME 1.77 HR \$ EMPLOYEE BENEFITS \$2 INSURANCE \$27.91 LAND TAXES SUPERVISION AND MANAGEMENT \$4 OTHER EXPENSES \$207.09 SUBTOTAL 1.77 HR \$235.00 \$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3,0	\$22.50 \$45.36	\$2.28	\$17.42	\$87.5
OVERHEAD EXPENSES 1.77 HR \$ DOWNTIME 1.77 HR \$ EMPLOYEE BENEFITS \$2 INSURANCE \$27.91 LAND TAXES \$ SUPERVISION AND MANAGEMENT \$4 OTHER EXPENSES \$207.09 SUBTOTAL 1.77 HR \$235.00 \$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3.0	· · · · · · · · · · · · · · · · · · ·		•	·
DOWNTIME	,002.50 \$45.36	\$2.28	\$17.42	\$2,067.56
### STATE				
INSURANCE \$27.91	\$13.29			\$13.2
LAND TAXES \$4 SUPERVISION AND MANAGEMENT \$207.09 SUBTOTAL 1.77 HR \$235.00 \$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3,0	279.08			\$279.0
SUPERVISION AND MANAGEMENT OTHER EXPENSES \$4 SUBTOTAL 1.77 HR \$235.00 \$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3.00				\$27.9
OTHER EXPENSES \$207.09 SUBTOTAL 1.77 HR \$235.00 \$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3,0			\$5.24	\$5.2
SUBTOTAL 1.77 HR \$235.00 \$7 TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3,0	419.21			\$419.2
TOTAL OPERATING EXPENSES 47.86 HR \$612.92 \$3,0				\$207.0
	711.58		\$5.24	\$951.8
NET OPERATING PROFIT	,037.26 \$116.42	\$11.92	\$180.08	\$3,958.5
				(\$658.5
INTEREST ON OPERATING CAPITAL (\$177.75 @ 5.50% INTEREST ON EQUIPMENT)			\$9.7 \$210.2
RETURN TO LAND AND RISK				-878.6
BUDGET SUMMARY				
GROSS RETURN \$3,300.00				
VARIABLE OPERATING EXPENSES \$741.26 RETURN OVER VARIABLE EXPENSES \$2,558.74 (GROSS MARGIN)				
FIXED EXPENSES \$180.08 NET FARM INCOME \$2,378.67 (RETURN TO CAPITAL, LABO				

	DODOLI	SOIVIIVII (I C I	
GROSS RETURN		\$3,300.00	
VARIABLE OPERATING EXPENSES	\$741.26		
RETURN OVER VARIABLE EXPENSES		\$2,558.74	(GROSS MARGIN)
FIXED EXPENSES	\$180.08		
NET FARM INCOME		\$2,378.67	(RETURN TO CAPITAL, LABOR, LAND & RISK)
LABOR AND MANAGEMENT COST	\$3,037.26		
NET OPERATING PROFIT		(\$658.59)	(RETURN TO CAPITAL, LAND & RISK)
CAPITAL COSTS	\$220.04		
RETURN TO LAND AND RISK		(\$878.63)	

TABLE 11. Summary of per acre costs and returns for a 30 acre part-time farm, Valencia and Southern Bernalillo Counties, Projected 2018

Ргојества 2018	ALFALFA ESTABLISHMENT	ALFALFA HAY	SMALL GRAIN HAY	SORGHUM HAY	GREEN CHILE	JALAPENOS
		TONS	TONS	TONS	BU/LB	TONS
PRIMARY YIELD		4.00	2.50	2.00	275.00	11.00
PRIMARY PRICE		\$175.00	\$175.00	\$160.00	\$7.50	\$300.00
GOVERNMENT PAYMENTS		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SECOND INCOME		\$10.00	\$0.00	\$5.00	\$360.00	\$0.00
GROSS RETURN		\$710.00	\$437.50	\$325.00	\$2,422.50	\$3,300.00
CASH OPERATING EXPENSES						
SEED	\$80.00		\$44.00	\$46.20	\$112.00	\$150.00
FERTILIZER		\$21.60			\$40.30	\$64.50
CHEMICALS					\$54.71	\$54.71
CROP INSURANCE						
OTHER PURCHASED INPUTS		\$39.60	\$33.00	\$22.44	\$67.50	\$10.00
CANAL WATER FUEL, OIL & LUBRICANTS-EQUIPMENT	\$23.10	\$28.00 \$12.60	\$28.00 \$26.25	\$28.00 \$6.77	\$28.00 \$350.13	\$28.00 \$116.42
FUEL-IRRIGATION	\$23.10	\$12.00	φ20.23	φ0.77	φ330.13	φ110.42
REPAIRS	\$3.52	\$1.56	\$3.92	\$1.06	\$22.11	\$11.92
CUSTOM CHARGES	\$103.21	\$23.33	\$30.86	\$30.86	\$70.71	\$70.71
LAND TAXES		\$5.24	\$2.62	\$2.62	\$5.24	\$5.24
OTHER EXPENSES	\$0.31	\$207.19	\$104.02	\$103.87	\$224.92	\$235.00
TOTAL CASH EXPENSES	\$210.15	\$339.12	\$272.67	\$241.82	\$975.60	\$746.49
RETURN OVER CASH EXPENSES	(\$210.15)	\$370.88	\$164.83	\$83.18	\$1,446.90	\$2,553.51
FIXED EXPENSES	\$41.82	\$91.25	\$50.05	\$16.10	\$216.11	\$174.84
TOTAL EXPENSES	\$251.98	\$430.37	\$322.72	\$257.92	\$1,191.72	\$921.33
NET FARM INCOME	(\$251.98)	\$279.63	\$114.78	\$67.08	\$1,230.78	\$2,378.67
LABOR AND MANAGEMENT COSTS	\$46.55	\$91.04	\$69.94	\$47.45	\$1,968.10	\$3,037.26
NET OPERATING PROFIT	(\$298.52)	\$188.59	\$44.84	\$19.63	(\$737.32)	(\$658.59)
CAPITAL COSTS						
INTEREST ON OPERATING CAPITAL		\$2.62	\$3.38	\$2.84	\$10.53	\$9.78
INTEREST ON EQUIPMENT INVESTMENT		\$22.00	\$34.80	\$10.60	\$974.41	\$210.27
TOTAL CAPITAL COSTS	\$0.00	\$24.63	\$38.18	\$13.44	\$984.93	\$220.04
RETURN TO LAND AND RISK	(\$298.52)	\$163.96	\$6.66	\$6.19	(\$1,722.25)	(\$878.63)

TABLE 12. Whole farm summary, Valencia and Southern Bernalillo Counties, Projected 2018

GROSS RETURNS					
ALFALFA HAY	20.00	ACRES			
CROP			\$14,000		
GRAZING			\$200		
SMALL GRAIN HAY	5.00	ACRES			
CROP			\$2,188		
SORGHUM HAY	5.00	ACRES			
CROP			\$1,600		
GRAZING			\$25		
GREEN CHILE	1.00	ACRES	#0.000		
GREEN			\$2,063		
RED	4.00	40050	\$360		
JALPENOS	1.00	ACRES			
CROP			\$3,300		
GROSS RETURN				-	\$23,735
CASH OPERATING EXPENSES					
SEED			\$993		
FERTILIZER			\$537		
CHEMICALS			\$109		
CROP INSURANCE			\$0		
OTHER PURCHASED INPUTS			\$1,147		
CANAL WATER			\$896		
FUEL, OIL & LUBRICANTS-EQUIPMENT			\$965		
FUEL-IRRIGATION			\$0		
REPAIRS			\$103		
CUSTOM CHARGES			\$1,278		
LAND TAXES			\$141		
OTHER EXPENSES			\$5,644		
TOTAL CASH EXPENSES			-	\$11,812	
RETURN OVER CASH EXPENSES					\$11,923
FIXED EXPENSES			\$1,698		
TOTAL EXPENSES				\$13,511	
NET FARM INCOME					£40.004
NET FARM INCOME					\$10,224
LABOR AND MANAGEMENT COSTS			\$7,576		
NET OPERATING PROFIT					\$2,648
CAPITAL COSTS					
INTEREST ON OPERATING CAPITAL			\$104		
INTEREST ON EQUIPMENT INVESTMEN	١T		\$1,852		
TOTAL CAPITAL COSTS				\$1,956	
				ψ1,000	A
RETURN TO LAND AND RISK				-	\$693

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$5,000 /ACRE	(\$3,807)	1.49%
\$6,500 /ACRE	(\$5,157)	1.19%
\$8,000 /ACRE	(\$6,507)	0.99%
\$9,500 /ACRE	(\$7,857)	0.85%
\$11,000 /ACRE	(\$9,207)	0.74%
\$12,500 /ACRE	(\$10,557)	0.66%

^{*} RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)
** NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)