

SECTION C: MULTI-YEAR DATA AND COMPARATIVE ANALYSIS

This section of the Oklahoma Farm and Ranch Account Book contains pages for recording financial, production, and special information which will be updated each year and transferred to each succeeding year's book. The year-to-year data and comparative analysis contained in this section will provide the user with a historical summarization and analysis of the business.

The following is a description of the pages contained in this section.

MAJOR ASSETS LISTING: These pages allow the user to maintain a historical listing and market valuation of the operation's major assets.

DEPRECIATION RECORD: Depreciation pages provide users the opportunity to maintain and calculate each year's depreciation deduction. For financial analysis, the user may desire to maintain a depreciation schedule calculated on each asset's "useful life" while the accountant maintains a separate depreciation schedule based on "tax law life".

CROP PRODUCTION: These pages provide for the collection and summarization of data on a field-by-field basis. This data will not only be valuable for the user in the evaluation of each field's performance, but also for recording chemical usage as requested by regulatory agencies.

REAL ESTATE RECORD: Space is provided for maintaining pertinent information relative to each tract of land operated, whether the property is owned or rented.

PRODUCTION & FINANCIAL ANALYSIS: The historical financial and production data maintained on these pages will provide users an excellent overview of the operation's historical performance. These pages will provide a condensed summarization useful to management, investors, and creditors in the decision making process. Photocopies of these pages would make a valuable addition to credit files, providing supporting information for the extension of credit.

INCOME TAX: This page provides for the listing of key items of information from each year's income tax return. Substantially all individual income tax returns are reported on a cash basis and cash basis accounting frequently results in erratic reporting (recognition) of net income. This multi-year listing of tax return information provides the user with historical data which will moderate year-to-year erratic amounts.

SPECIAL INFORMATION: This page provides for the listing of family and business information which can be useful to an accountant, attorney, insurance agent, and family members.

BREEDING LIVESTOCK LISTING

(Fair Market Value as of December 31)

	DESCRIPTION	20_____	20_____	20_____	20_____	20_____					
1											1
2											2
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30											30
	TOTALS¹										

¹ Should equal the sum of the ending balances for Purchased Breeding Livestock and Raised Breeding Livestock in Farm Assets, page A-11c. Also, cross-reference with Livestock Depreciation Record, page C-7a and b, if maintained.

MACHINERY AND EQUIPMENT LISTING

(Fair Market Value as of December 31)

	DESCRIPTION	20_____	20_____	20_____	20_____	20_____					
1											1
2											2
3											3
4											4
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	TOTALS¹										

¹ Should equal the sum of the ending balances for Machinery and Equipment in Farm Assets, page A-11d. Also, cross-reference with Machinery & Equipment Depreciation Record, page C-6a and b, if maintained.

BUILDING AND IMPROVEMENT LISTING

(Fair Market Value as of December 31)

	DESCRIPTION	20_____	20_____	20_____	20_____	20_____					
1											1
2											2
3											3
4											4
5											5
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30											30
	TOTALS ¹										

¹ Should equal the sum of the ending balances for Buildings and Improvements in Farm Assets on page A-11g. Also, cross-reference with Building & Improvement Depreciation Record, page C-8a and b, if maintained.

MACHINERY & EQUIPMENT DEPRECIATION RECORD¹

(Remaining Cost Includes Salvage Value)

L i n e	Description	Purchase Date (M/D/Y)	Cost or Other Basis Per Unit	Useful Life (Years)	Depreciation Method	Section 179 Expense Election	Additional 1 st Year Depreciation	20_____			20_____			L i n e		
								Remaining Cost Jan 1	Acquisition	Annual Depreciation	Remaining Cost Jan 1	Acquisition	Annual Depreciation			
1														1		
2														2		
3														3		
4														4		
5														5		
6														6		
7														7		
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28														28		
29														29		
30														30		
A	TOTAL MACHINERY															

¹ Cross-reference numbers with Machinery and Equipment in Farm Assets list, page A-11d, and Machinery and Equipment Listing on page C-3, if maintained.

MACHINERY & EQUIPMENT DEPRECIATION RECORD¹

(Remaining Cost Includes Salvage Value)

L i n e	20_____						20_____						20_____						20_____						L i n e
	Remaining Cost Jan 1		Acquisition		Annual Depreciation		Remaining Cost Jan 1		Acquisition		Annual Depreciation		Remaining Cost Jan 1		Acquisition		Annual Depreciation		Remaining Cost Jan 1		Acquisition		Annual Depreciation		
1																								1	
2																								2	
3																								3	
4																								4	
5																								5	
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A																									

¹ Cross-reference numbers with Machinery and Equipment in Farm Assets list, page A-11d, and Machinery and Equipment Listing on page C-3, if maintained.

LIVESTOCK DEPRECIATION RECORD¹

(Remaining Cost Includes Salvage Value)

L i n e	20 _____											L i n e							
	Remaining Cost Jan 1		Acquisitions During Year		Basis of Livestock Sold During Year		Annual Depreciation			Remaining Cost Jan 1			Acquisitions During Year		Basis of Livestock Sold During Year		Annual Depreciation		
	Hd	Amount	Hd	Amount	Hd	Amount	Hd	Amount	Hd	Amount	Hd		Amount	Hd	Amount	Hd	Amount	Hd	Amount
1																			1
2																			2
3																			3
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5																			5
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A																			

¹ Cross-reference numbers with Purchased Breeding Livestock in Farm Assets list, page A-11c, Beef Cow Production Analysis, A-19, and Breeding Livestock Listing, page C-2, if maintained. Check page A-8b, column 25 for Breeding Livestock Purchases.

BUILDING & IMPROVEMENT DEPRECIATION RECORD¹

(Remaining Cost Includes Salvage Value)

L i n e	Description	Purchase Date (M/D/Y)	Cost or Other Basis Per Unit		Useful Life (Years)	Depreciation Method	Section 179 Expense Election		Additional 1 st Year Depreciation	20_____			20_____			L i n e	
										Remaining Cost Jan 1	Acquisition		Annual Depreciation	Remaining Cost Jan 1	Acquisition		Annual Depreciation
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
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30																	30
A	TOTAL BUILDINGS & IMPROVEMENTS																

¹ Cross-reference numbers with Buildings and Improvements in Farm Assets list, page A-11g, and Building and Improvement Listing, page C-4, if maintained.

BUILDING & IMPROVEMENT DEPRECIATION RECORD¹

(Remaining Cost Includes Salvage Value)

L i n e	20_____						20_____						20_____						20_____						L i n e
	Remaining Cost Jan 1		Acquisition		Annual Depreciation		Remaining Cost Jan 1		Acquisition		Annual Depreciation		Remaining Cost Jan 1		Acquisition		Annual Depreciation		Remaining Cost Jan 1		Acquisition		Annual Depreciation		
1																									1
2																									2
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5																									5
6																									6
7																									7
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A																									

¹ Cross-reference numbers with Buildings and Improvements in Farm Assets list, page A-11g, and Building and Improvement Listing, page C-4, if maintained.

REAL ESTATE LISTING

(Fair Market Value as of December 31)

	DESCRIPTION	20____	20____	20____	20____	20____					
1											1
2											2
3											3
4											4
5											5
6											6
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30											30
	TOTALS ¹										

¹ Should equal the sum of the ending balances for Real Estate (Land) in Farm Assets, page A-11g.

SPECIAL INFORMATION

	NAMES	SOCIAL SECURITY NUMBER	DATE OF BIRTH	
Owners:	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	County: <input style="width: 100%;" type="text"/>
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
Children:	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	School District: <input style="width: 100%;" type="text"/>
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
Other Dependents:				Tax Accounting Method:
				Cash _____ Accrual _____
				CCC Loans Treated as:
				Income _____ Loans _____
Other Dependents:				Relationship
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Attorney:	<input style="width: 100%;" type="text"/>			Key Personal Papers Stored at: <input style="width: 100%;" type="text"/>
Accountant:	<input style="width: 100%;" type="text"/>			
Insurance Agent:	<input style="width: 100%;" type="text"/>			Will (Original Copy): <input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>			
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>			Stored at: <input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>			Federal Employer Identification #: <input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>			Sales Tax Exemption Number: <input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>			Fuel Tax Exemption Number: <input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>			Pesticide Applicator Permit Number: <input style="width: 100%;" type="text"/>

Conversion Equivalents

<u>Unit</u>	<u>Equivalent Units</u>
Acre	43,560 square feet; 4,810 square yards; 160 square rods.
Barrel.....	31.5 gallons.
Bushel	1.244 cubic feet; 2,150.42 cubic inches; 32 quarts (dry); 4 pecks.
Cord	128 cubic feet.
Cubic foot	0.8 bushel; 1,728 cubic inches; 7.481 gallons; 62.4 pounds (water).
Cubic yard	27 cubic feet; 202 gallons.
Feet per second	(22/15) x miles per hour.
Foot	12 inches; 1/3 yard; 0.305 meter.
Gallon	231 cubic inches (liquid); 268.8 cubic inches (dry); 0.1337 cubic foot; 4 quarts; 8.345 pounds (water).
Inch	2.54 centimeter.
Meter	39.37 inches; 1.094 yards; 3.281 feet.
Mile	5,280 feet; 1,760 yards; 320 rods; 1.609 kilometers.
Peck	8 quarts; 1/4 bushel.
Pint	1/2 quart; 16 ounces.
Quart	2 pints; 32 ounces; 67.2 cubic inches (dry); 57.75 cubic inches (liquid).
Rod	16.5 feet; 5.5 yards.
Square foot.....	1/9 square yard; 144 square inches.
Square mile	640 acres.
Square yard.....	9 square feet.
Ton	2,240 pounds (long); 2,205 pounds (metric); 2,000 pounds (short).
Yard.....	3 feet; 0.9144 meter.

Measurement Formulas

Circumference of circle = $3.1416 \times \text{diameter} = \frac{22 \times \text{diameter}}{7}$

Area of circle = $.7854 \times \text{diameter} \times \text{diameter}$.

Area of rectangle = length x width.

Area of triangle = $0.5 \times \text{base} \times \text{altitude}$.

Area of curved surface of cylinder (like a silo) = $3.1416 \times \text{diameter} \times \text{height}$.

Volume of sphere = $.5238 \times \text{diameter} \times \text{diameter} \times \text{diameter}$.

Volume of cylinder = $.7854 \times \text{height} \times \text{diameter} \times \text{diameter}$.

Volume of pyramid = $1/3 \times \text{area of base} \times \text{altitude}$.

Volume of cone (like a stack of grain) = $.2618 \times \text{height} \times \text{diameter} \times \text{diameter}$.

Capacity of Rectangle and Cylindrical Bins and Tanks

Determine the cubic feet in a rectangular bin, crib or tank by multiplying the length by the width by the height. To calculate the cubic feet for cylindrical shaped containers, square the radius and multiply by 3.1416 and then multiply by the height.

To find the approximate number of bushels of small grain or shelled corn in a bin, multiply the cubic feet by .8.

To compute the numbers of gallons in a tank, multiply the number of cubic feet by 7.4805.

Capacity of Trench and Bunker Silos

Corn or grass silage, well packed by a tractor in a horizontal silo, will weigh an average of 40 to 50 pounds per cubic foot. Multiply the average width by the depth by the length (all in feet) = vol. in cu. ft. Divide the number of cu. ft. in the silo by 50. This equals tons of silage.

Common Fractions Reduced to Decimals									
8ths	16ths	32nds	6ths		8ths	16ths	32nds	64ths	
		1	2	.015625				33	.545625
		1	2	.03125			17	34	.53125
		3		.046875				35	.546875
	1	2	4	.0625		9	18	36	.5625
		5		.078125				37	.578125
		3	6	.09375			19	38	.59375
			7	.109375				39	.609375
1	2	4	8	.125	5	10	20	40	.625
		9		.140625				41	.640625
		5	10	.15625			21	42	.65625
		11		.171875				43	.671875
	3	6	12	.1875		11	22	44	.6875
			13	.203125				45	.703125
		7	14	.21875			23	46	.71875
			15	.234375				47	.734375
2	4	8	16	.25	6	12	24	48	.75
			17	.265625				49	.765625
		9	18	.28125			25	50	.78125
			19	.296875				51	.796875
	5	10	20	.3125		13	26	52	.8125
			21	.328125				53	.828125
		11	22	.34375			27	54	.84375
			23	.359375				55	.859375
3	6	12	24	.375	7	14	28	56	.875
			25	.390625				57	.890625
		13	26	.40625			29	58	.90625
			27	.421875				59	.921875
	7	14	28	.4375		15	30	60	.9375
			29	.453125				61	.953125
		15	30	.46875			31	62	.96875
			31	.484375				63	.984375
4	8	16	32	.5	8	16	32	64	1.

Interest Calculations												
RULE: Multiply the principal by as many one hundredths as there are days, and then divide as follows:												
Percent	4	5	6	7	8	9	10	12				
Divided by	90	72	60	52	45	40	36	30				
EXAMPLES: Interest on \$100, for 90 days at 5 percent: 100 x .90 = 90.00 divided by 72 = 1.25 (1 dollar and 25 cents); on \$1, for 30 days at 6 percent: 1 x .30 = .30 divided by 60 = .005 (5 mills).												
TABLES: Showing the number of days from any date in one month to the same date in any other month.												
From To	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
January	365	31	59	90	120	151	181	212	243	273	304	334
February	334	365	28	59	89	120	150	181	212	242	273	303
March	306	337	365	31	61	92	122	153	184	214	245	275
April	275	306	334	365	30	61	91	122	153	183	214	244
May	245	276	304	335	365	31	61	92	123	153	184	214
June	214	245	273	304	334	365	30	61	92	122	153	183
July	184	215	243	274	304	335	365	31	62	92	123	153
August	153	184	212	243	273	304	334	365	31	61	92	122
September	122	153	181	212	242	273	303	334	365	30	61	91
October	92	123	151	182	212	243	273	304	335	365	31	61
November	61	92	120	151	181	212	242	273	304	334	365	30
December	31	62	90	121	151	182	212	243	274	304	335	365
EXAMPLE: How many days from May 5 th to October 5 th ? Look for May at left hand and October at the top: in the angle is 153. In Leap year add one day if February is included.												