

ANALYSIS OF GENERAL FARM CROPS - FORAGES

Student's Name _____ Name of Crop _____

	A My Project	B FBPA Annual Summary*	C			
			Evaluation <small>(Based on comparison of columns A and B)</small>			
			Excel.	Good	Fair	Poor
PRODUCTION AND INCOME						
1. Acres in this project	_____	_____				
2. Total tons of forage produced	_____	_____				
3. Tons of forage per acre <i>(item 2 ÷ item 1)</i>	_____	_____				
4. Total labor and management income for the project <i>(page 12, item C)</i>	_____	_____				
5. Labor and management income per acre <i>(item 4 ÷ item 1)</i>	_____	_____				
6. Labor and management income per ton <i>(item 4 ÷ item 2)</i>	_____	_____				
PRODUCTION COSTS						
7. Total costs for the project <i>(page 12, item B)</i>	\$ _____	\$ _____				
8. Total costs per acre <i>(item 7 ÷ item 1)</i>	\$ _____	\$ _____				
9. Total costs per ton <i>(item 7 ÷ item 2)</i>	\$ _____	\$ _____				
10. Operating costs for the project <i>(page 9, sum of column 16)</i>	\$ _____	\$ _____				
11. Operating costs per acre <i>(item 10 ÷ item 1)</i>	\$ _____	\$ _____				
12. Operating costs per ton <i>(item 10 ÷ item 2)</i>	\$ _____	\$ _____				
13. Fertilizer costs for the project <i>(page 8, sum of column 6)</i>	\$ _____	\$ _____				
14. Fertilizer costs per acre <i>(item 13 ÷ item 1)</i>	\$ _____	\$ _____				
15. Fertilizer costs per ton <i>(item 13 ÷ item 2)</i>	\$ _____	\$ _____				
16. Overhead costs for the project <i>(page 10, Total Cost column)</i>	\$ _____	\$ _____				
17. Overhead costs per acre <i>(item 16 ÷ item 1)</i>	\$ _____	\$ _____				
18. Overhead costs per ton <i>(item 16 ÷ item 2)</i>	\$ _____	\$ _____				
MARKETING						
19. Average selling or inventory price per ton of forage <i>(total value of forage sold or used at home – from page 11 – plus any increase in inventory of forage – from top of page 7 ÷ item 2)</i>	\$ _____	\$ _____				
ACCURACY CHECK						
Average selling or inventory price per ton <i>(item 19)</i> minus Total costs per ton <i>(item 9)</i>	\$ _____	** \$ _____				
Other factors about your project that you wish to analyze:						
20. _____	_____	_____				
21. _____	_____	_____				

*Or use other similar sources of data - identify here: _____

**Should equal labor and management income per ton *(item 6)*

ANALYSIS OF GENERAL FARM CROPS - FRUITS, VEGETABLES, ROOT CROPS

Student's Name _____ Name of Crop _____

	A My Project	B FBPA Annual Summary*	C			
			Evaluation <small>(Based on comparison of columns A and B)</small>			
			Excel.	Good	Fair	Poor
PRODUCTION AND INCOME						
1. Acres in this project	_____	_____				
2. Total production - circle unit used: tons, cwt., bushels, pounds, dozens <i>(total amount sold or used at home – from top of page 11 – plus amount produced which is still on hand at closing inventory – from top of page 7)</i>	_____	_____				
3. Production per acre <i>(item 2 ÷ item 1)</i>	_____	_____				
4. Total labor and management income for the project <i>(page 12, item C)</i>	\$ _____	\$ _____				
5. Labor and management income per acre <i>(item 4 ÷ item 1)</i>	\$ _____	\$ _____				
6. Labor and management income per unit of production circled in item 2 <i>(item 4 ÷ item 2)</i>	\$ _____	\$ _____				
PRODUCTION COSTS						
7. Total costs for the project <i>(page 12, item B)</i>	\$ _____	\$ _____				
8. Total costs per acre <i>(item 7 ÷ item 1)</i>	\$ _____	\$ _____				
9. Total costs per unit of production circled in item 2 <i>(item 7 ÷ item 2)</i>	\$ _____	\$ _____				
10. Operating costs for the project <i>(page 9, sum of column 16)</i>	\$ _____	\$ _____				
11. Operating costs per acre <i>(item 10 ÷ item 1)</i>	\$ _____	\$ _____				
12. Operating costs per unit of production circled in item 2 <i>(item 10 ÷ item 2)</i>	\$ _____	\$ _____				
13. Fertilizer costs for the project <i>(page 8, sum of column 6)</i>	\$ _____	\$ _____				
14. Fertilizer costs per acre <i>(item 13 ÷ item 1)</i>	\$ _____	\$ _____				
15. Fertilizer costs per unit of production <i>(item 13 ÷ item 2)</i>	\$ _____	\$ _____				
16. Overhead costs for the project <i>(page 10, Total Cost column)</i>	\$ _____	\$ _____				
17. Overhead costs per acre <i>(item 16 ÷ item 1)</i>	\$ _____	\$ _____				
18. Overhead costs per unit of production <i>(item 16 ÷ item 2)</i>	\$ _____	\$ _____				
MARKETING						
19. Average selling or inventory price of production unit of crop <i>(total value of crops sold or used at home – from page 11 – plus any increase in inventory of crop – from top of page 7 ÷ item 2)</i>	\$ _____	\$ _____				
ACCURACY CHECK						
Average selling or inventory price per production unit <i>(item 19) minus Total costs per production unit (item 9)</i>	\$ _____	** \$ _____				
Other factors about your project that you wish to analyze:						
20. _____	_____	_____				
21. _____	_____	_____				

*Or use other similar sources of data - identify here: _____

**Should equal labor and management income per production unit *(item 6)*

ANALYSIS OF GENERAL FARM CROPS - GRAIN

Student's Name _____ Name of Crop _____

	A	B	C			
	My Project	FBPA Annual Summary*	Evaluation <small>(Based on comparison of columns A and B)</small>			
			Excel.	Good	Fair	Poor
PRODUCTION AND INCOME						
1. Acres in this project	_____	_____				
2. a) Total bushels of grain produced <i>(total bushels sold or used at home – from top of page 11 – plus bushels produced which are still on hand at closing inventory – from top of page 7)</i>	_____	_____				
b) Total tons of straw, stover, or other plant by-product <i>(total tons sold or used at home – from top of page 11 – plus tons produced which are still on hand at closing inventory – from top of page 7)</i>	_____	_____				
3. Bushels of grain produced per acre <i>(item 2a ÷ item 1)</i>	_____	_____				
4. Tons of straw or stover produced per acre <i>(item 2b ÷ item 1)</i>	_____	_____				
5. Total labor and management income for the project <i>(page 12, item C)</i>	\$ _____	\$ _____				
6. Labor and management income per acre <i>(item 5 ÷ item 1)</i>	\$ _____	\$ _____				
7. Labor and management income per bushel <i>(item 5 ÷ item 2a)</i>	\$ _____	\$ _____				
PRODUCTION COSTS						
8. Total costs for the project <i>(page 12, item B)</i>	\$ _____	\$ _____				
9. Total costs per acre <i>(item 8 ÷ item 1)</i>	\$ _____	\$ _____				
10. Total costs per bushel <i>(item 8 ÷ item 2a)</i>	\$ _____	\$ _____				
11. Operating costs for the project <i>(page 9, sum of column 16)</i>	\$ _____	\$ _____				
12. Operating costs per acre <i>(item 11 ÷ item 1)</i>	\$ _____	\$ _____				
13. Operating costs per bushel <i>(item 11 ÷ item 2a)</i>	\$ _____	\$ _____				
14. Fertilizer costs for the project <i>(page 8, sum of column 6)</i>	\$ _____	\$ _____				
15. Fertilizer costs per acre <i>(item 14 ÷ item 1)</i>	\$ _____	\$ _____				
16. Fertilizer costs per bushel <i>(item 14 ÷ item 2a)</i>	\$ _____	\$ _____				
17. Overhead costs for the project <i>(page 10, Total Cost column)</i>	\$ _____	\$ _____				
18. Overhead costs per acre <i>(item 17 ÷ item 1)</i>	\$ _____	\$ _____				
19. Overhead costs per bushel <i>(item 17 ÷ item 2a)</i>	\$ _____	\$ _____				
MARKETING						
20. Average selling or inventory price of bushel of grain <i>(total value of grain sold or used at home – from page 11 – plus any increase in inventory of grain – from top of page 7 ÷ item 2a)</i>	\$ _____	\$ _____				
21. Average selling or inventory price of ton of straw <i>(total value of straw sold or used at home – from page 11 – plus any increase in inventory of straw – from top of page 7 ÷ by item 2b)</i>	\$ _____	\$ _____				
ACCURACY CHECK						
Average selling or inventory price per bushel <i>(item 20)</i> minus						
Total costs per bushel <i>(item 10)</i>	\$ _____	\$ _____				
Other factors about your project that you wish to analyze:						
22. _____	_____	_____				
23. _____	_____	_____				

*Or use other similar sources of data - identify here: _____
 **Should equal labor and management income per bushel *(item 7)*

ANALYSIS OF BEEF BREEDING ENTERPRISE

Student's Name _____ Total PMWU's _____
(number of cows x 1.2)

PRODUCTION AND INCOME

1. **Average number of cows in this project** *(cow days ÷ days in this project) (1 cow for 1 day = 1 cow day)*
2. **Number of calves born** *(page 23)*
3. **Number of calves weaned** *(page 23)*
4. **Total pounds of beef produced** *(page 23, column k)*
(Should agree with formula on back of this page)
5. **Pounds of beef produced per cow** *(item 4 ÷ item 1)*
6. **Total labor and management income** *(page 24, item C)*
7. **Labor and management income per cow** *(item 6 ÷ item 1)*
8. **Labor and management income per pound of beef produced**
(item 6 ÷ item 4)

PRODUCTION COSTS

9. **Total costs for the project** *(page 24, item B)*
10. **Total costs per cow** *(item 9 ÷ item 1)*
11. **Total costs per pound of beef produced** *(item 9 ÷ item 4)*
12. **Total feed costs** *(pages 14-17, sum of column 5)*
13. **Feed costs per cow** *(item 12 ÷ item 1)*
14. **Feed costs per pound of beef produced** *(item 12 ÷ item 4)*

MARKETING

15. **Average selling price per pound of beef sold**
(page 22, total value of beef sold ÷ total pounds of beef sold)

Other factors about your project that you wish to analyze:

16. _____
17. _____

A My Project	B FBPA Annual Summary*	C			
		Evaluation <small>(Based on comparison of columns A and B)</small>			
		Excel.	Good	Fair	Poor
_____	_____				
_____	_____				
_____	_____				
_____	_____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				
\$ _____	\$ _____				

*Or use other similar sources of data - identify here: _____

Formula for Item 4

Weight of animals produced (closing inventory, page 12) **plus** weight of market animals sold or used at home (top of page 22) **minus** weight of purchased animals for resale (page 18)

ANALYSIS OF DAIRY ENTERPRISE

Student's Name _____ Total PMWU's _____
(number of cows x 6)

	A My Project	B FBPA Annual Summary*	C			
			Evaluation <small>(Based on comparison of columns A and B)</small>			
			Excel.	Good	Fair	Poor
PRODUCTION AND INCOME						
1. Average number of cows in this project <small>(cow days ÷ days in this project) (1 cow for 1 day = 1 cow day)</small>	_____	_____				
2. Total pounds of milk produced <small>(page 21, sum of Amount column for all milk produced)</small>	_____	_____				
3. Total pounds of butterfat produced <small>(% butterfat x item 2)</small>	_____	_____				
4. Total pounds of protein produced - if percent protein information is available <small>(% protein x item 2)</small>	_____	_____				
5. Average pounds of milk per cow <small>(item 2 ÷ item 1)</small>	_____	_____				
6. Average pounds of butterfat per cow <small>(item 3 ÷ item 1)</small>	_____	_____				
7. Average pounds of protein per cow <small>(item 4 ÷ item 1)</small>	_____	_____				
8. Total labor and management income <small>(page 24, item C)</small>	\$ _____	\$ _____				
9. Labor and management income per cow <small>(item 8 ÷ item 1)</small>	\$ _____	\$ _____				
10. Labor and management income per 100 pounds of milk <small>(item 8 ÷ item 2 x 100)</small>	\$ _____	\$ _____				
PRODUCTION COSTS						
11. Total costs for the enterprise <small>(page 24, item B)</small>	\$ _____	\$ _____				
12. Total costs per cow <small>(item 11 ÷ item 1)</small>	\$ _____	\$ _____				
13. Total costs per 100 pounds of milk produced <small>(item 11 ÷ item 2 x 100)</small>	\$ _____	\$ _____				
14. Total feed costs <small>(pages 14-17, sum of column 5)</small>	\$ _____	\$ _____				
15. Feed costs per cow <small>(item 14 ÷ item 1)</small>	\$ _____	\$ _____				
16. Feed costs per 100 pounds of milk produced <small>(item 14 ÷ item 2 x 100)</small>	\$ _____	\$ _____				
MARKETING						
17. Average selling price per 100 pounds of milk produced <small>(page 21, total value of milk sold or used at home ÷ item 2 x 100)</small>	\$ _____	\$ _____				
Other factors about your project that you wish to analyze:						
18. _____	_____	_____				
19. _____	_____	_____				

*Or use other similar sources of data - identify here: _____

Formula for Item 4

Weight of animals produced (closing inventory, page 12) **plus** weight of market animals sold or used at home (top of page 22) **minus** weight of purchased animals for resale (page 18)

ANALYSIS OF MARKET LIVESTOCK ENTERPRISE

Student's Name _____

Name of Enterprise _____

(See note on back of page.)

PMWU's _____
(See note on back of page.)

	A	B	C			
	My Project	FBPA Annual Summary*	Evaluation <i>(Based on comparison of columns A and B)</i>			
			Excel.	Good	Fair	Poor
PRODUCTION AND INCOME						
1. Total number of animals fed (page 12, number of animals on closing inventory plus top of page 22, number of market animals sold or used at home.) (Should agree with total number in column f, bottom of page 23.)	_____	_____				
2. Total pounds of gain produced (page 23, column k) (Should agree with formula on back of this page.)	_____	_____				
3. Average pounds of gain produced per animal (item 2 ÷ item 1) (Should agree with column l, bottom of page 23.)	_____	_____				
4. Average pounds of gain produced per animal per day (column m, bottom of page 23) If more than one group of animals, the weighted average should be used. (See formula on the back of this page.)	_____	_____				
5. Returns per \$1.00 of feed fed (page 24, item A ÷ total column 5 from Feed Cost pages 14-17)	\$ _____	\$ _____				
6. Pounds of feed per pound of gain (sum of columns 3a, b, c, and d, pages 14-17 ÷ total of column k in Weight Record, page 23)	_____	_____				
7. Total labor and management income for the project (page 24, item C)	\$ _____	\$ _____				
8. Labor and management income per animal fed (item 7 ÷ item 1)	\$ _____	\$ _____				
9. Labor and management income per pound of gain (item 7 ÷ item 2)	\$ _____	\$ _____				
PRODUCTION COSTS						
10. Total costs for the project (page 24, item B)	\$ _____	\$ _____				
11. Total costs per animal fed (item 10 ÷ item 1)	\$ _____	\$ _____				
12. Total costs per pound of gain (item 10 ÷ item 2)	\$ _____	\$ _____				
13. Operating costs for the project (page 24, item 2 of Costs)	\$ _____	\$ _____				
14. Operating costs per animal (item 13 ÷ item 1)	\$ _____	\$ _____				
15. Operating costs per pound of gain (item 13 ÷ item 2)	\$ _____	\$ _____				
16. Feed costs for the project (sum of column 5, pages 14-17)	\$ _____	\$ _____				
17. Feed costs per animal fed (item 16 ÷ item 1)	\$ _____	\$ _____				
18. Feed costs per pound of gain (item 16 ÷ item 2)	\$ _____	\$ _____				
19. Overhead costs for the project (page 24, item 4 of Costs)	\$ _____	\$ _____				
20. Overhead costs per animal fed (item 19 ÷ item 1)	\$ _____	\$ _____				
21. Overhead costs per pound of gain (item 19 ÷ item 2)	\$ _____	\$ _____				
MARKETING						
22. Average selling price per pound of weight sold (page 22, total value of animals sold ÷ total pounds of animals sold)	\$ _____	\$ _____				
23. Other factors about your project that you wish to analyze:						
24. _____	_____	_____				

*Or use other similar sources of data - identify here: _____

Name of Market Livestock

Use most appropriate species or type such as feeder pigs, market lambs, dairy steers, or beef feeder.

PMWU's

Multiply the number of animals fed by the following PMWU figure per animal:

Feeder pigs	0.2
Feeder lambs	0.1
Broilers	0.0015
Veal calves	0.15
Steer (100 days)	0.2
Steer (300 days)	0.6

Formula for Item 2

Weight of animals (*closing inventory, page 12*) **plus** weight of market animals sold or used at home (*top of page 22*) **minus** weight of animals in beginning inventory (*page 12*) **minus** weight of purchased animals for resale (*page 18*)

Formula for Item 4

Multiply the average gain per animal per day of each group (*column m, page 23*) by the number of animals in each group (*column f, page 23*). **Sum** the products of the multiplication and **divide** by the total animals in all groups (*column f, page 23*).