Stafford Silo King corn-treated

The harvest on Mr. Stafford's corn crop averaged 254.47 bushels per acre on 71 units of nitrogen and a total input cost of $189.02, or $.74 per bushel. The testing occurred on 10-07-09 and 10-09-09 with an Agriculture Extension Agent from the University of Georgia. The growing conditions were not favorable as little rainfall occurred during the prime growing season, and there were flooding rains at the critical end-of-crop maturity stage. This resulted in a moisture penalty of 14 bushels per acre, and there were 15 bushels not harvestable due to the floods.

AGrowStar

(706) 629-8122
2050 Roland Hayes Pkwy. (Hwy 156W)
CALHOUN, GA 30701

No. 17115

DATE 12-9-09

DRIVER ( ) ON ( ) OFF _____ LOAD OF Corn ( ) IN ( ) OUT _____ (Spot, Stg, Cont, D. P. - Other)

24700 lb 09:47AM 10/09/2009

GROSS 24700

NAME [illegible], David Stafford

9660 lb 10:02AM 10/09/2009

TARE 9660

FARM ID# Baxter Time In _____ Out _____

NET 15040

Grade _____ Truck ID # _____

DISCOUNTS		
Mois. 1.90	%	¢
T.W. SUB	#	¢
Dmg.	%	¢
F.M.	%	¢
Dkg.	%	¢
Splits	%	
Other		

Driver _____

Freight _____

Base Price _____

Total Disc. _____

NET PRICE $ _____

WEIGHER BK

Wt. Dkg. or F.M. ____ % ____ Lbs.

Moisture Disc. 5.25 % 789.6 Lbs.

Clean Grain 14250.4

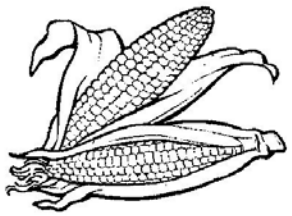
WHITE & YELLOW / OFFICE - PINK / DRIVER - BUFF / ACCTNG

254.47 Bu. @ _____ $ _____

Stafford Farms, Crandal Georgia 2009
254.47 BPA after a 5.25% moisture penalty
70 units of N
4 oz. per acre of Accele-Grow-M in furrow
1 eight oz. per acre foliar treatment @ 11 leaf stage

University of Georgia Yield Certification
Total production cost 0.74 cents per bushel

DISCOVER YOUR CORN PRODUCTION EFFICIENCY



WHY
PRODUCTION EFFICIENCY?

If you grow corn, make sure your production costs are less than your selling price.

The Georgia Corn Yield Contest has been conducted in the state for many years, and has promoted high yield practices. But it has sometimes been viewed as encouraging practices that are not economically viable. For this reason and as corn production is frequently considered unprofitable, the corn production program this year also includes an efficiency component.
To participate, obtain a measured yield from a minimum of one acre in one field. List your variable crop inputs on page 3 of this form, and your labor, fuel and machinery costs on page 4. Page 2 is designed to summarize the costs.

If actual costs are less than those assigned some specific items in this form, a statement of justification for changes should accompany the entry.

Entries must be submitted on Production Efficiency forms, and postmarked by October 23, 2009. Recognition of efficiency winners in each Extension district and at the state level will be made at the Annual Corn Growers Association Meeting in January 2010, at the Rural Development Center in Tifton Georgia.

But most important, you can evaluate your own corn program. Each entrant will receive a summary of the program so you can compare your program with others. This way you can have your own information to help with future corn production.

Mail your entry to: Dr. Dewey Lee, Horticulture Building, P. O. Box 748, Tifton, Georgia 31793.

Other details are available from your local county Extension office.

Acres Entered 1

Yield (bu./acre)
@ 15.5% moisture 254.47

Production Efficiency

(Cost per Bushel) $ _____

1. Grower Identification:
- **a. Name** David Stafford
- **b. Street or Box No.** 1750 Temple Grove Rd.
- **c. City, Zip** Crandall, GA 30711
- **d. County** Murray

2. (Conventional or) No-Till (circle one)

3. Irrigated or (Dry Land) (circle one)

4. Variety Information:
- **a. Hybrid** Anderson Silo King
- **b. Plants per 50 ft. row** 72

5. Dates:
- **a. Planting date** April 23, 2009
- **b. Harvest date** October 7, 2009

6. Harvest Area Information:
- **a. Length (ft.)** 871.2
- **b. Width (ft.)** 50
- **c. Row width (in.)** 30"

7. Previous Crops (indicate if fallow):
- **a. Winter** _____
- **b. Summer** Soybeans

Supply the following inputs and compute your Production Efficiency on Page 2.

We certify to the best of our knowledge the information supplied herein is accurate.
Grower David Stafford
Date _____
Agent Louis E. Dupree
Date _____

SUMMARY OF CORN INPUTS

List Costs Here from Pages 3 & 4

VARIABLE COSTS	COST PER ACRE	
1. Seed and Fertilizer -(From Page 3)	$ 66.51	
2. Chemicals -(From Page 3)	$ 28.00	
3. Machinery Custom Hire -(From Page 3)	$ 5.00	
4. Other Expenses -(From Page 3)	$ .81	
5. Labor -(From Page 4) _____ Hrs. @ $ 7.00 =	$ 1.54	
6. Fuel -(From Page 4) _____gal. @ $_____ =	$ 2.10	
7. Equipment Repair Costs - (From Page 4)	$ 6.96	
8. Land Rental Cost for This Field	$ 75.00	List rent paid including items such as irrigation. If owned, list rental value.
9. Irrigation: Cash Costs of Applying Water Cable Tow: _____Appl. @ $14.00, or Center Pivot:_____ Appl. @ $10.00, or Actual Cost:_____Appl. @ _____	$ 0	
10. Interest on Operating Capital $ (_____ Sums of lines 1-9) @_____ Interest Rate % - (for 6 months)	$ 0	If owed funds are used, this is the opportunity cost for money.
Sub-Total of Variable Costs	$ 185.92	

FIXED COSTS

11. Equipment Fixed Costs -(From Page 4)	$ 3.10	
12. General Overhead ($_____ Variable costs x 5%)	$ 0	Farm costs not specifically allocated to the Crop.
13. Irrigation Overhead For **Owned** Irrigation Equipment Cable Tow: _____$75.00 per acre, or Center Pivot: _____$60.00 per acre	$ 0	
Sub-Total of Fixed Costs	$ 3.10	

TOTAL COSTS
(Variable plus Fixed Costs)

Per Acre ---------- $ 189.02

Per Bushel: (Total Cost $_____ ÷ Bushels Yield _____) = $ .74

Prepared by: Dewey Lee, Extension Agronomist

AEC 91-024 - Revised | Extension Agriculture Economics - 8 | July, 2008
Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, The University of Georgia College of Agricultural and Environmental Sciences and the U.S. Department of Agriculture cooperating.
Robert Isaac, Associate Dean for Extension

(Start Listing Inputs Here ☞)

VARIABLE CROP INPUTS PER ACRE

Input Item	No. Units	Price Per Unit				Cost Per Acre
Seed & Fertilizer						
Seed	80,000 Seed	K(Bag)	x	$58.00	=	$ 18.13
Lime-See Notes, (Bottom Pg.4)	0	Ton	x		=	0
Fertilizer-See Notes, (Bottom Pg.4)						
Starter (Analysis) 12-28-0	5 gal.	Lb./gal	x	4.50 gal.	=	22.50
Nitrogen	68	Lb./gal	x	.20	=	13.60
Phosphorus (P_2O5)		Lb.	x		=	
Potash (K_2O)		Lb.	x		=	
Manure		Ton	x		=	
Other Acela Grow	12 oz	Lb.	x	131 gal	=	12.28
TOTAL SEED & FERTILIZER COSTS		**Enter on Page 2, Line 1**				$ 66.51
Chemicals						
HERBICIDES (list)		Appl.	x	$	=	$
1. Lexor	3 qt.	Appl.	x		=	28.00
2.		Appl.	x		=	
INSECTICIDES(Material Only)		Appl.	x		=	
1.		Appl.	x		=	
2.		Appl.	x		=	
NEMATICIDES		Appl.	x		=	
OTHERS(seed treatment)						
TOTAL CHEMICAL COSTS		**Enter on Page 2, Line 2**				$ 28.00
Custom Machinery Hire						
Custom Spraying		Acre	x	$	=	$
indicate if cost includes spray material						
Combine	1		x	$	=	$ 5
Other (List)						
1.			x	$	=	$
2.			x	$	=	$
TOTAL CUSTOM HIRE		**Enter on Page 2, Line 3**				$ 5
Other Expenses						
Crop Insurance		Acre	x	$	x	$ .60
Drying			x	$	x	$ .21
TOTAL OTHER EXPENSES		**Enter on Page 2, Line 4**				$ .81

(Now go to Page 4 ☞)

VARIABLE AND FIXED COSTS OF OPERATING MACHINERY

Use these guides to estimate your per acre labor, fuel and equipment costs. Indicate the number of times each field operation was performed and calculate the time, and costs for each job. These estimates are calculated in accordance with Agricultural Engineering procedures, and are based on a 10-year machinery life.

Field Operation	Times Over	Labor Used: Per Time Over	Labor Used: Total	Fuel Used: Per Time Over	Fuel Used: Total	Equipment Repair Costs Per Time Over: Equipment Age 0-5 Yrs	6-10 Yrs	>10 Yrs	Total	Equipment Fixed Costs Per Time Over: Equipment Age 0-10 Yrs	>10 Yrs	Total
		Minutes		Gallons								
Plow		24		1.40		$1.48	$2.80	$4.46	4.46	$6.00	$2.00	$ 2.00
Heavy Disk	1	10	6	1.00	.75	.77	1.66	2.77		3.65	1.33	
Light Disk		8		.70		.52	1.08	2.00		2.40	.80	
In-Row Subsoil and Bed		15		1.70		.83	1.50	2.30		3.50	1.20	
Disk and Apply Herbicide		10		.70		.80	1.45	2.25		3.10	1.10	
In-Row Subsoil and Plant		15		1.70		1.20	2.25	3.50		5.50	1.81	
Strip Till		12		.75		.86	2.53	4.23		3.75	1.20	
Strip Till, Plant and Apply Herbicide		15		1.60		1.75	3.40	5.50		5.50	1.80	
Chisel Plow		15		1.30		.60	1.30	1.95		2.70	.90	
Plant		10		.50		.70	1.50	2.30		3.00	1.00	
Cultivate Cult Pack	1	10	4	.50	.23	.50	.96	1.10	1.10	1.65	.60	.60
No Till, Plant		10		.55		1.40	2.95	4.70		3.40	1.15	
Sidedress		8		.20		.49	.75	1.55		1.15	.38	
Apply Herbicide: Pre-emerge		8		.20		.48	.70	1.40		1.30	.50	
Post-emerge	1	8	3	.20	.06	.48	.70	1.40	1.40	1.30	.50	.50
Directed		8		.20		.48	.70	1.40		1.30	.50	
Spray:												
Tractor –Mounted		8		.20		.48	.70	1.40		1.30	.50	
High Clearance		6		.12		.80	1.70	2.60		2.80	1.00	
Combine		20		1.70		4.25	8.50	14.00		28.00	10.00	
Haul		20		1.00		.50	1.10	2.25		1.15	.35	
OTHER												
TOTALS		min	13 Min.		1.06				$ 6.96			$ 3.10
		÷60=	.2 hrs.									
ENTER ON:		Page 2, Line 5		Page 2, Line 6		Page 2, Line 7				Page 2, Line 11		

NOTES FOR SPECIFIC COST ITEMS -For Page 3

Lime- If lime is not applied this year assign a cost for lime based on the number of years lime is utilized (One ton of lime applied every three years would result in an annual cost of 1/3 of a ton).

Manure- If manure is applied, indicate analysis, amount applied per acre and cost per ton on Page 3, Seed and Fertilizer Section, Line Manure.