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WELCOME


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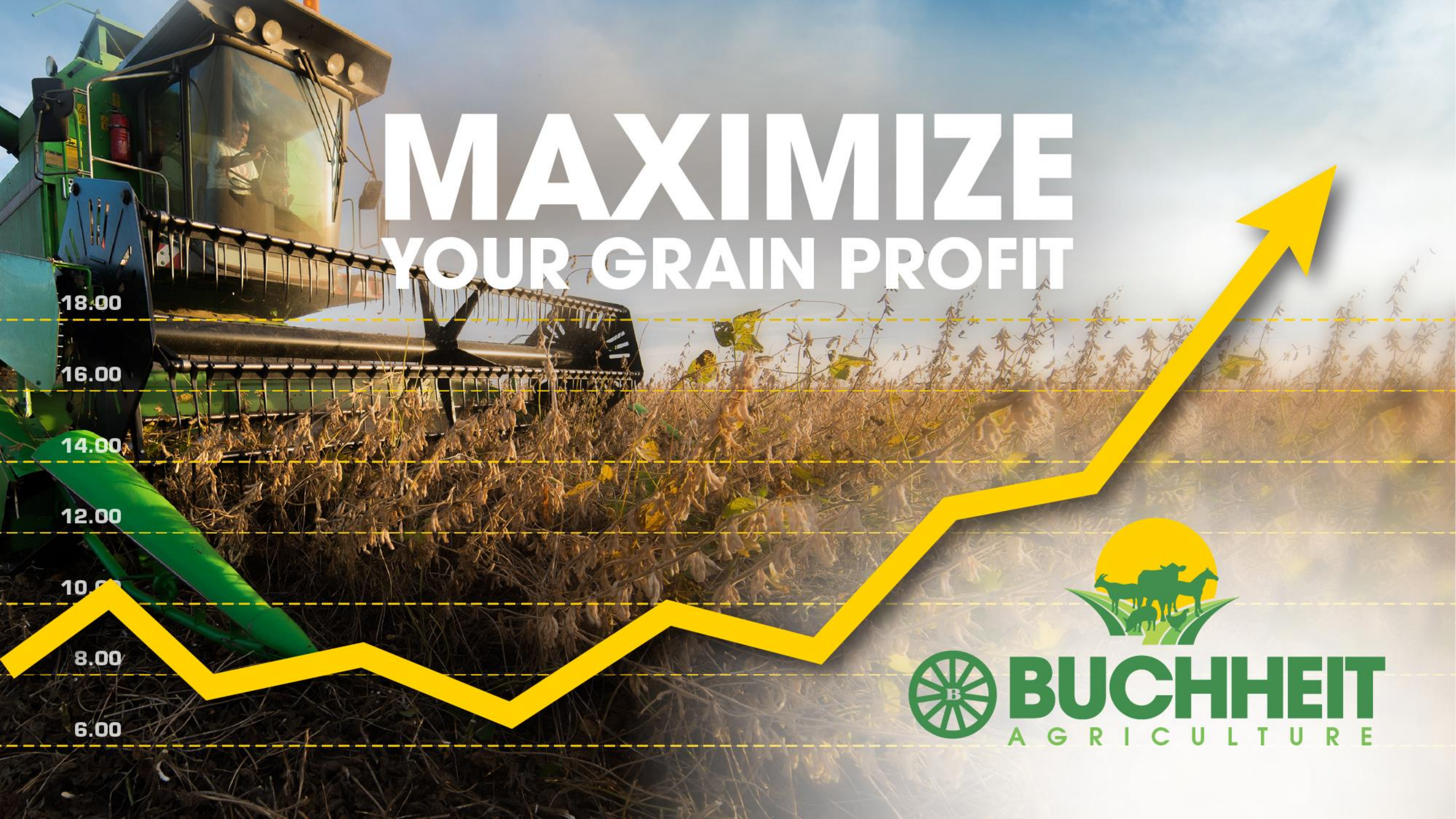
presents
GRAIN MARKETING
INSIGHTS


MAXIMIZE
YOUR GRAIN PROFIT
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Who here forward contracts their grain?

WHY DO YOU CONTRACT?

Who here doesn’t contract their grain?

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WHY DON'T YOU CONTRACT?

Pros and Cons of Contracting Grain

PROS

- ✓ No downside price risk
- ✓ Delivery time frame is known
- ✓ Any amount can be contracted
- ✓ Longer time frame to market grain
- ✓ Crop insurance protection
- ✓ Eliminates storage fees
- ✓ Can eliminate quality deterioration
- ✓ Can eliminate double handling and shrink

CONS

- ✓ Price can improve after contract has been made
- ✓ Seller must fulfill contract quantity
- ✓ "Unfilled balance can be rolled"

Where is profitability on Crops?

Liberty Link Soybeans

40 Bushel P/Acre

TOTAL VARIABLE COST PER ACRE
$221 or $5.53 Bushel
TOTAL VARIABLE AND EQUIP/BINS COST PER ACRE
$263 or $6.58 Bushel
TOTAL VARIABLE, EQUIP/BINS, AND $100 LAND
$375 or $9.38 Bushel

Corn

150 Bushel P/Acre

TOTAL VARIABLE COST PER ACRE
$357 or $2.38 Bushel
TOTAL VARIABLE AND EQUIP/BINS COST PER ACRE
$431 or $2.87 Bushel
TOTAL VARIABLE, EQUIP/BINS, AND $100 LAND
$543 or $3.62 Bushel

Wheat

60 Bushel P/Acre

TOTAL VARIABLE COST PER ACRE
$202 or $3.37 Bushel
TOTAL VARIABLE AND EQUIP/BINS COST PER ACRE
$245 or $4.08 Bushel
TOTAL VARIABLE, EQUIP/BINS, AND $100 LAND
$272 or $4.53 Bushel

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What Can We Do?

We can help:

1. Understand what your per bushel cost is.

2. Determine the amount of bushels you want to contract to cover input costs. “Crop Insurance guarantee bushels”

3. Select a way to market your desired amount of bushels.

What does Buchheit Agriculture have to offer?

Buchheit' s Marketing and Risk Management Contract Tools

MARKETING OPTIONS	CONTRACT DESCRIPTION	ADVANTAGES	DISADVANTAGES
Target Order	Seller sets desired price of grain, once market reaches the desired price a contract is made between seller and Buchheit	Buchheit watches the market and sells your grain automatically	Price of grain could continue to go higher than the target price
Average Price Contract (APC)	Seller agrees to a specific amount of bushel to be contract during a time period	Seller gets the average price during the agreed upon time period	Prices may continue to improve after contract has been established
Forward Contract (New Crop)	Seller agrees on price and delivery period of grain, eliminating both price and basis risk	Cash price is established when contract is made	Prices may improve after contract is made
Cash Contract	Seller calls Buchheit and is quote cash price for grain for a nearby delivery. If grain is sold the price is locked in	Seller has locked in price and delivery period for grain, no longer at risk to market conditions	Price of grain could continue to rise after contract is made

Buchheit’ s Marketing and Risk Management Contract Tools

MARKETING OPTIONS	CONTRACT DESCRIPTION	ADVANTAGES	DISADVANTAGES
Deferred Pricing (DP)	Allows seller to delivery grain and price later, normally there is a fee per bushel for this. Title of the grain is passed to the elevator at time of deliver	Allows seller to deliver grain with the option of pricing later. Also, passes quality risk to Buchheit	Title to grain passes to Buchheit once delivered. Subject to cash prices declining. Seller generally pays a per bushel fee for Buchheit storing grain
Spot Pricing	The seller of the grain takes posted price of grain the day and time of delivery	No obligation to deliver a specific amount of grain at a future date, eliminates storage costs and quality deterioration	The seller is at risk to current market conditions until he pulls onto scale
January Pay	Allows seller to defer payment until the next tax year	Defers taxes into following year, normally seller can get an extra penny or two premium for deferring payment	Seller is not paid until January
Minimum Price Contract	Sets a cash price for a specific commodity and quantity for a delivery window. In addition to the cash sale, a call is attached to establish a minimum cash price	Seller set price less call and has the ability to capture increase value above the call price	Subject to price of call, that may expire worthless

Target Order

Seller sets desired price of grain. Once market reaches the desired price, a contract is made between seller and Buchheit.

ADVANTAGE	DISADVANTAGE
✓ Buchheit watches the market and sells your grain automatically	✓ Price of grain could continue to go higher than the target price

Average Price Contract

Seller agrees to a specific amount of bushels to be contract and priced during March 29th through June 28th - "18 Week Period"

ADVANTAGE	DISADVANTAGE
✓ Seller gets the average price during the agreed upon time period *Example:* Farmer wants to enroll 2000 bushels in the program. We divide the 2000 bushel by 18 weeks. Resulting in 111.11 bushels to be priced at the close of every Wednesday's grain market	✓ Prices may continue to improve after average price contract has elapsed

Forward Contract (New Crop)

Seller agrees on price and delivery period of grain, eliminating both price and basis risk.

ADVANTAGE	DISADVANTAGE
✓ Cash price is established when contract is made	✓ Prices may improve after contract is made

Deferred Pricing (DP)

Allows seller to deliver grain and price later; normally there is a fee per bushel for this. Title of the grain is passed to the elevator at time of delivery.

ADVANTAGE	DISADVANTAGE
✓Allows seller to deliver grain and price later, normally there is a fee per bushel for this ✓Title of the grain is passed to the elevator at time of deliver	✓ Title to grain passes to Buchheit once delivered ✓Subject to cash prices declining ✓Seller generally pays a per bushel fee for Buchheit storing grain

Cash Contract

Seller calls Buchheit and is quoted cash price for grain for a nearby delivery.
If grain is sold, the price and quantity is locked in.

ADVANTAGE	DISADVANTAGE
✓ Seller has locked in price and delivery period for grain, no longer at risk to market conditions	✓ Price of grain could continue to rise after contract is made

Spot Pricing (Cash Sale)

The seller of the grain takes posted price of grain the day and time of delivery.

ADVANTAGE	DISADVANTAGE
✓ No obligation to deliver a specific amount of grain at a future date, eliminates storage costs and quality deterioration	✓ The seller is at risk to current market conditions until he pulls onto scale

January Pay

The seller of the grain takes posted price of grain the day and time of delivery but defers payment until the following January

ADVANTAGE	DISADVANTAGE
✓ Seller is offered a small premium to defer payment until January *Example:* Corn: Oct delivery .02 per bushel November delivery .01 per bushel Beans: Oct delivery .04 per bushel November delivery .02 per bushels Subject to change per Buchheit' s discretion	✓ seller must wait until January to be paid to get premium on bushels deferred for January payment

Minimum Price Contract

Allows seller to sell grain at an acceptable price and still participate in the futures market by buying a call.

ADVANTAGE	DISADVANTAGE
✓ Allows seller to establish a bottom price ✓Seller is in the future market ✓Seller can set final price at any time	✓ Money spent on call may expire worthless ✓ Subject to service fees associated with purchasing the call


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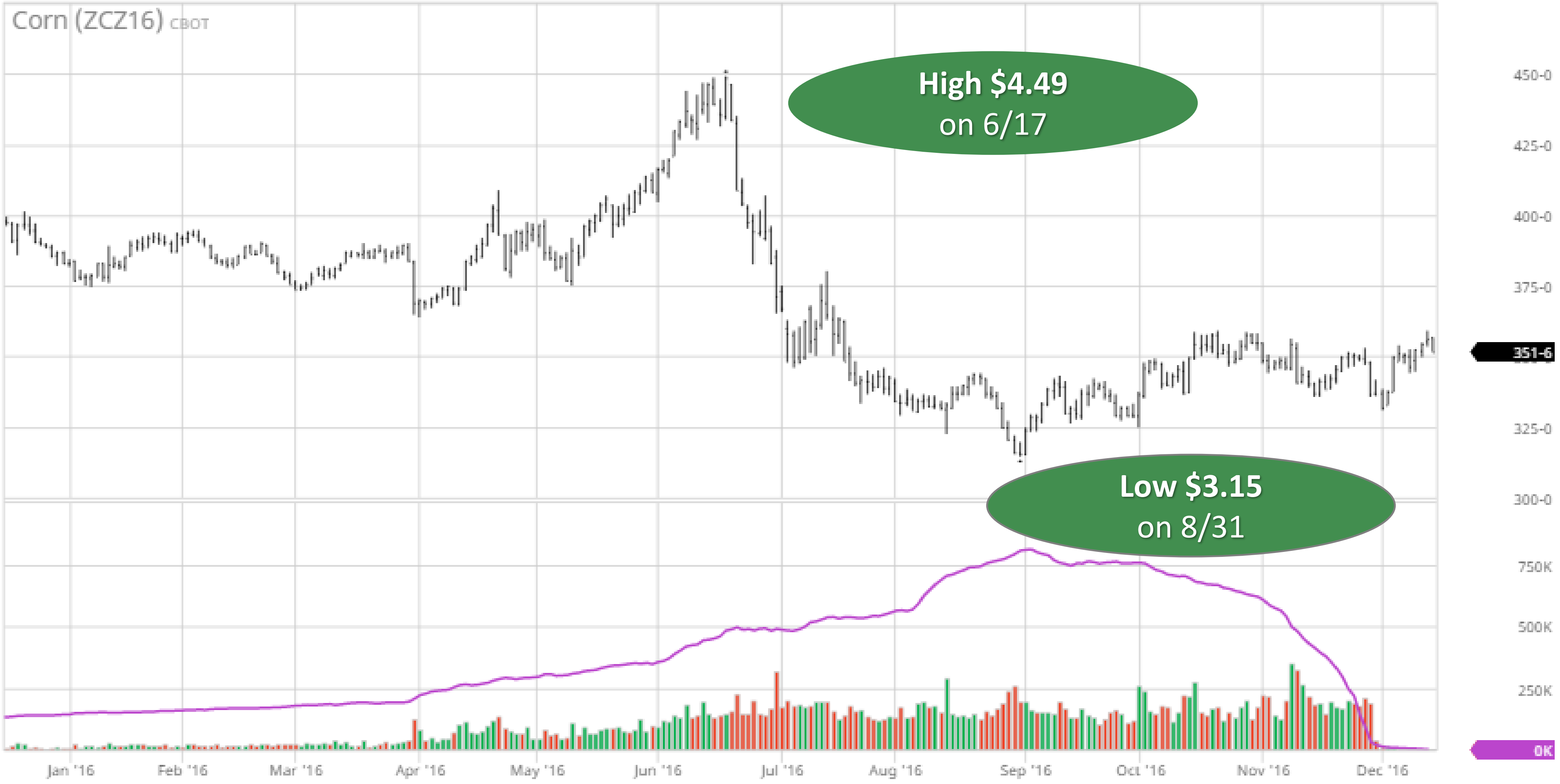
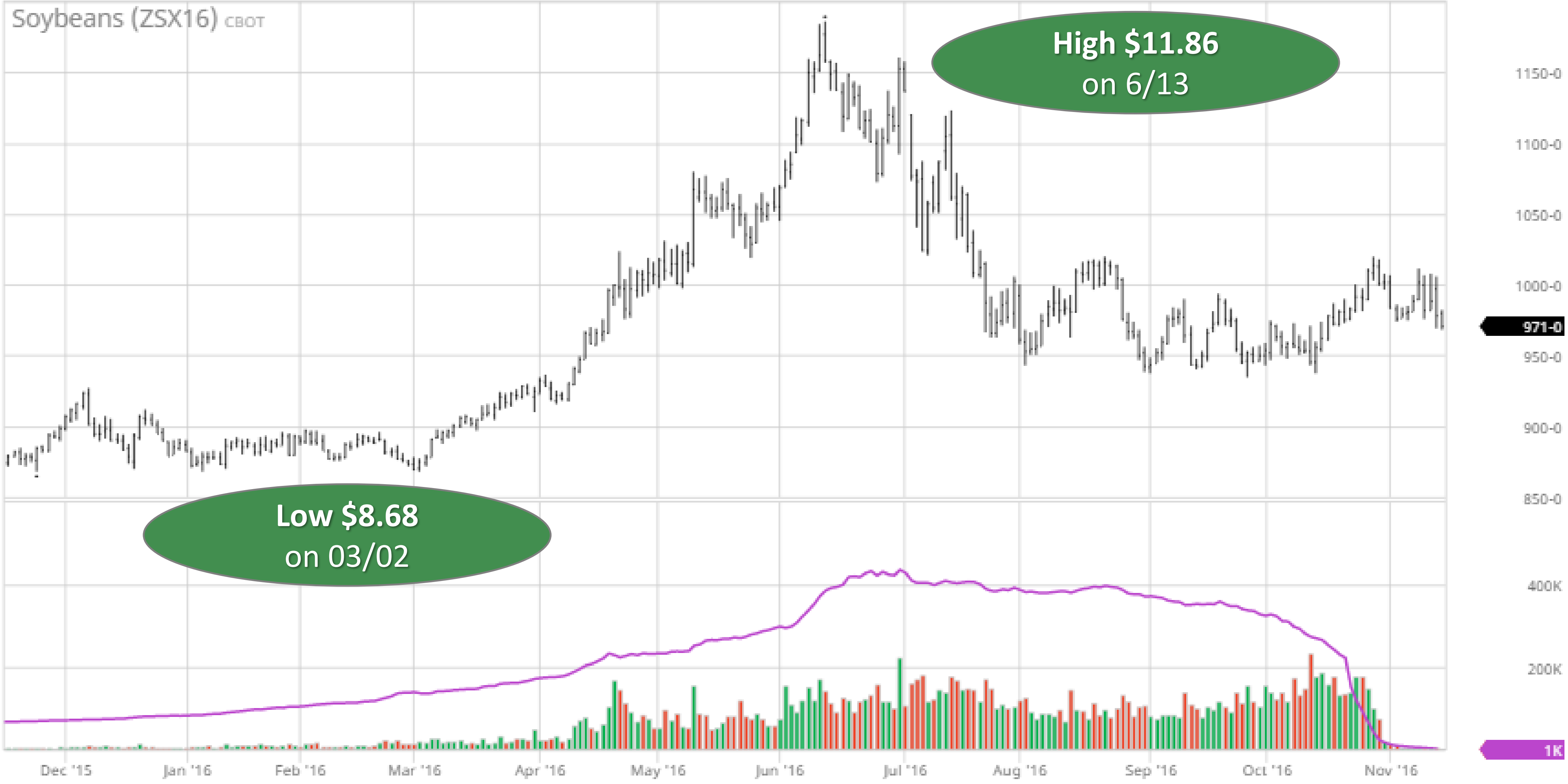
Where have we been in the last year?

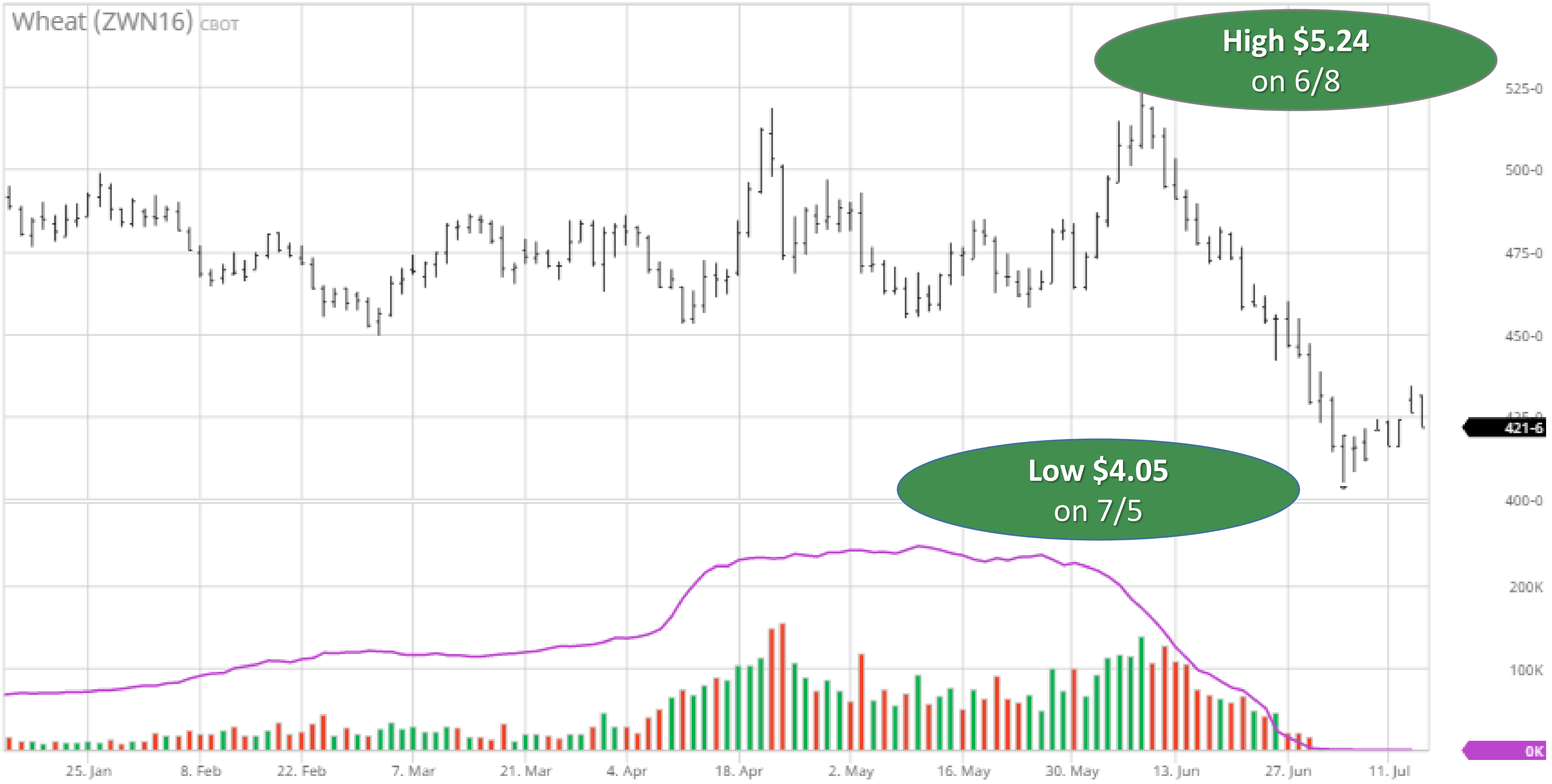
2016 DECEMBER CORN



2016 NOVEMBER SOYBEANS



2016 JULY WHEAT



Crop Budgets

Corn: 3.61 Today's Bid

Cost/Acre	Yield 90	100	110	120	130	140	150	160	170	180	190	200	210	220	225	230	235	240	245
650.00	$ (325)	$ (289)	$ (253)	$ (217)	$ (181)	$ (145)	$ (109)	$ (72)	$ (36)	$ (0)	$ 36	$ 72	$ 108	$ 144	$ 162	$ 180	$ 198	$ 216	$ 234
600.00	$ (275)	$ (239)	$ (203)	$ (167)	$ (131)	$ (95)	$ (59)	$ (22)	$ 14	$ 50	$ 86	$ 122	$ 158	$ 194	$ 212	$ 230	$ 248	$ 266	$ 284
550.00	$ (225)	$ (189)	$ (153)	$ (117)	$ (81)	$ (45)	$ (9)	$ 28	$ 64	$ 100	$ 136	$ 172	$ 208	$ 244	$ 262	$ 280	$ 298	$ 316	$ 334
525.00	$ (200)	$ (164)	$ (128)	$ (92)	$ (56)	$ (20)	$ 17	$ 53	$ 89	$ 125	$ 161	$ 197	$ 233	$ 269	$ 287	$ 305	$ 323	$ 341	$ 359
500.00	$ (175)	$ (139)	$ (103)	$ (67)	$ (31)	$ 5	$ 42	$ 78	$ 114	$ 150	$ 186	$ 222	$ 258	$ 294	$ 312	$ 330	$ 348	$ 366	$ 384
475.00	$ (150)	$ (114)	$ (78)	$ (42)	$ (6)	$ 30	$ 67	$ 103	$ 139	$ 175	$ 211	$ 247	$ 283	$ 319	$ 337	$ 355	$ 373	$ 391	$ 409
450.00	$ (125)	$ (89)	$ (53)	$ (17)	$ 19	$ 55	$ 92	$ 128	$ 164	$ 200	$ 236	$ 272	$ 308	$ 344	$ 362	$ 380	$ 398	$ 416	$ 434
400.00	$ (75)	$ (39)	$ (3)	$ 33	$ 69	$ 105	$ 142	$ 178	$ 214	$ 250	$ 286	$ 322	$ 358	$ 394	$ 412	$ 430	$ 448	$ 466	$ 484
350.00	$ (25)	$ 11	$ 47	$ 83	$ 119	$ 155	$ 192	$ 228	$ 264	$ 300	$ 336	$ 372	$ 408	$ 444	$ 462	$ 480	$ 498	$ 516	$ 534
300.00	$ 25	$ 61	$ 97	$ 133	$ 169	$ 205	$ 242	$ 278	$ 314	$ 350	$ 386	$ 422	$ 458	$ 494	$ 512	$ 530	$ 548	$ 566	$ 584

Beans: 9.79 Today's Bid

Cost/Acre	Yield 20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120
750.00	$ (554)	$ (505)	$ (456)	$ (407)	$ (358)	$ (309)	$ (261)	$ (212)	$ (163)	$ (114)	$ (65)	$ (16)	$ 33	$ 82	$ 131	$ 180	$ 229	$ 327	$ 425
700.00	$ (504)	$ (455)	$ (406)	$ (357)	$ (308)	$ (259)	$ (211)	$ (162)	$ (113)	$ (64)	$ (15)	$ 34	$ 83	$ 132	$ 181	$ 230	$ 279	$ 377	$ 475
600.00	$ (404)	$ (355)	$ (306)	$ (257)	$ (208)	$ (159)	$ (111)	$ (62)	$ (13)	$ 36	$ 85	$ 134	$ 183	$ 232	$ 281	$ 330	$ 379	$ 477	$ 575
500.00	$ (304)	$ (255)	$ (206)	$ (157)	$ (108)	$ (59)	$ (11)	$ 38	$ 87	$ 136	$ 185	$ 234	$ 283	$ 332	$ 381	$ 430	$ 479	$ 577	$ 675
450.00	$ (254)	$ (205)	$ (156)	$ (107)	$ (58)	$ (9)	$ 39	$ 88	$ 137	$ 186	$ 235	$ 284	$ 333	$ 382	$ 431	$ 480	$ 529	$ 627	$ 725
400.00	$ (204)	$ (155)	$ (106)	$ (57)	$ (8)	$ 41	$ 89	$ 138	$ 187	$ 236	$ 285	$ 334	$ 383	$ 432	$ 481	$ 530	$ 579	$ 677	$ 775
350.00	$ (154)	$ (105)	$ (56)	$ (7)	$ 42	$ 91	$ 140	$ 188	$ 237	$ 286	$ 335	$ 384	$ 433	$ 482	$ 531	$ 580	$ 629	$ 727	$ 825
300.00	$ (104)	$ (55)	$ (6)	$ 43	$ 92	$ 141	$ 190	$ 238	$ 287	$ 336	$ 385	$ 434	$ 483	$ 532	$ 581	$ 630	$ 679	$ 777	$ 875
250.00	$ (54)	$ (5)	$ 44	$ 93	$ 142	$ 191	$ 240	$ 288	$ 337	$ 386	$ 435	$ 484	$ 533	$ 582	$ 631	$ 680	$ 729	$ 827	$ 925
200.00	$ (4)	$ 45	$ 94	$ 143	$ 192	$ 241	$ 290	$ 338	$ 387	$ 436	$ 485	$ 534	$ 583	$ 632	$ 681	$ 730	$ 779	$ 877	$ 975

Wheat: 4.24 Today's Bid

Cost/Acre	Yield 25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
600.00	$ (510)	$ (492)	$ (474)	$ (456)	$ (438)	$ (420)	$ (401)	$ (383)	$ (365)	$ (347)	$ (329)	$ (311)	$ (293)	$ (275)	$ (257)	$ (239)	$ (221)	$ (203)	$ (185)
550.00	$ (460)	$ (442)	$ (424)	$ (406)	$ (388)	$ (370)	$ (351)	$ (333)	$ (315)	$ (297)	$ (279)	$ (261)	$ (243)	$ (225)	$ (207)	$ (189)	$ (171)	$ (153)	$ (135)
500.00	$ (410)	$ (392)	$ (374)	$ (356)	$ (338)	$ (320)	$ (301)	$ (283)	$ (265)	$ (247)	$ (229)	$ (211)	$ (193)	$ (175)	$ (157)	$ (139)	$ (121)	$ (103)	$ (85)
450.00	$ (360)	$ (342)	$ (324)	$ (306)	$ (288)	$ (270)	$ (251)	$ (233)	$ (215)	$ (197)	$ (179)	$ (161)	$ (143)	$ (125)	$ (107)	$ (89)	$ (71)	$ (53)	$ (35)
400.00	$ (310)	$ (292)	$ (274)	$ (256)	$ (238)	$ (220)	$ (201)	$ (183)	$ (165)	$ (147)	$ (129)	$ (111)	$ (93)	$ (75)	$ (57)	$ (39)	$ (21)	$ (3)	$ 15
350.00	$ (260)	$ (242)	$ (224)	$ (206)	$ (188)	$ (170)	$ (151)	$ (133)	$ (115)	$ (97)	$ (79)	$ (61)	$ (43)	$ (25)	$ (7)	$ 11	$ 29	$ 47	$ 65
300.00	$ (210)	$ (192)	$ (174)	$ (156)	$ (138)	$ (120)	$ (101)	$ (83)	$ (65)	$ (47)	$ (29)	$ (11)	$ 7	$ 25	$ 43	$ 61	$ 79	$ 97	$ 115
250.00	$ (160)	$ (142)	$ (124)	$ (106)	$ (88)	$ (70)	$ (51)	$ (33)	$ (15)	$ 3	$ 21	$ 39	$ 57	$ 75	$ 93	$ 111	$ 129	$ 147	$ 165
200.00	$ (110)	$ (92)	$ (74)	$ (56)	$ (38)	$ (20)	$ (1)	$ 17	$ 35	$ 53	$ 71	$ 89	$ 107	$ 125	$ 143	$ 161	$ 179	$ 197	$ 215
150.00	$ (60)	$ (42)	$ (24)	$ (6)	$ 12	$ 31	$ 49	$ 67	$ 85	$ 103	$ 121	$ 139	$ 157	$ 175	$ 193	$ 211	$ 229	$ 247	$ 265

University of Missouri Extension Southeast Missouri Crop Budget

2017 Non-GMO Corn Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	0.350	Bags	175.00	61.25	
Nitrogen	165	Pounds	0.34	56.10	
Phosphate	70	Pounds	0.33	23.10	
Potash	45	Pounds	0.25	11.25	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	150	Bushels	0.12	18.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	150	Bushels	0.16	24.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.15	
Total Variable		Acre		$ 382.85	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		$ 456.85	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 618.85	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel							
Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	$3.69	$4.43	$6.05	170	$2.29	$2.72	$3.67
110	$3.38	$4.05	$5.52	180	$2.17	$2.58	$3.48
120	$3.12	$3.74	$5.09	190	$2.07	$2.46	$3.32
130	$2.90	$3.47	$4.72	200	$1.98	$2.35	$3.16
140	$2.71	$3.24	$4.40	210	$1.90	$2.26	$3.03
150	$2.55	$3.05	$4.13	220	$1.83	$2.17	$2.90
160	$2.41	$2.87	$3.89	230	$1.76	$2.08	$2.79

Returns Above Variable Costs

Yield	-- Dollars Per Bushel --						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
100	($43.85)	($18.85)	$6.15	$31.15	$56.15	$81.15	$106.15
110	($14.15)	$13.35	$40.85	$68.35	$95.85	$123.35	$150.85
120	$15.55	$45.55	$75.55	$105.55	$135.55	$165.55	$195.55
130	$45.25	$77.75	$110.25	$142.75	$175.25	$207.75	$240.25
140	$74.95	$109.95	$144.95	$179.95	$214.95	$249.95	$284.95
150	$104.65	$142.15	$179.65	$217.15	$254.65	$292.15	$329.65
160	$134.35	$174.35	$214.35	$254.35	$294.35	$334.35	$374.35
170	$164.05	$206.55	$249.05	$291.55	$334.05	$376.55	$419.05
180	$193.75	$238.75	$283.75	$328.75	$373.75	$418.75	$463.75
190	$223.45	$270.95	$318.45	$365.95	$413.45	$460.95	$508.45
200	$253.15	$303.15	$353.15	$403.15	$453.15	$503.15	$553.15

Returns Above Total Costs

Yield	-- Dollars Per Bushel --						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
100	($279.85)	($254.85)	($229.85)	($204.85)	($179.85)	($154.85)	($129.85)
110	($250.15)	($222.65)	($195.15)	($167.65)	($140.15)	($112.65)	($85.15)
120	($220.45)	($190.45)	($160.45)	($130.45)	($100.45)	($70.45)	($40.45)
130	($190.75)	($158.25)	($125.75)	($93.25)	($60.75)	($28.25)	$4.25
140	($161.05)	($126.05)	($91.05)	($56.05)	($21.05)	$13.95	$48.95
150	($131.35)	($93.85)	($56.35)	($18.85)	$18.65	$56.15	$93.65
160	($101.65)	($61.65)	($21.65)	$18.35	$58.35	$98.35	$138.35
170	($71.95)	($29.45)	$13.05	$55.55	$98.05	$140.55	$183.05
180	($42.25)	$2.75	$47.75	$92.75	$137.75	$182.75	$227.75
190	($12.55)	$34.95	$82.45	$129.95	$177.45	$224.95	$272.45
200	$17.15	$67.15	$117.15	$167.15	$217.15	$267.15	$317.15

University of Missouri Extension Southeast Missouri Crop Budget

Center Pivot Irrigated Non-GMO Corn Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	0.4250	Bags	175.00	74.38	
Nitrogen	220	Pounds	0.34	74.80	
Phosphate	90	Pounds	0.33	29.70	
Potash	60	Pounds	0.25	15.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	1	Acre	18.00	18.00	
Drying Fuel & Electricity*	200	Bushels	0.12	24.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	200	Bushels	0.16	32.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.00	24.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	13.98	
Total Variable		Acre		$ 479.85	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	23.00	23.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		$ 635.85	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 797.85	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel							
Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
140	$3.31	$4.42	$5.58	210	$2.30	$3.04	$3.81
150	$3.11	$4.15	$5.23	220	$2.21	$2.92	$3.65
160	$2.93	$3.90	$4.92	230	$2.12	$2.80	$3.51
170	$2.77	$3.69	$4.64	240	$2.05	$2.70	$3.37
180	$2.63	$3.50	$4.40	250	$1.98	$2.60	$3.25
190	$2.51	$3.33	$4.18	260	$1.91	$2.51	$3.13
200	$2.40	$3.18	$3.99	270	$1.85	$2.43	$3.03

Returns Above Variable Costs

Yield	---------- Dollars Per Bushel ----------						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
150	$21.65	$59.15	$96.65	$134.15	$171.65	$209.15	$246.65
160	$51.35	$91.35	$131.35	$171.35	$211.35	$251.35	$291.35
170	$81.05	$123.55	$166.05	$208.55	$251.05	$293.55	$336.05
180	$110.75	$155.75	$200.75	$245.75	$290.75	$335.75	$380.75
190	$140.45	$187.95	$235.45	$282.95	$330.45	$377.95	$425.45
200	$170.15	$220.15	$270.15	$320.15	$370.15	$420.15	$470.15
210	$199.85	$252.35	$304.85	$357.35	$409.85	$462.35	$514.85
220	$229.55	$284.55	$339.55	$394.55	$449.55	$504.55	$559.55
230	$259.25	$316.75	$374.25	$431.75	$489.25	$546.75	$604.25
240	$288.95	$348.95	$408.95	$468.95	$528.95	$588.95	$648.95
250	$318.65	$381.15	$443.65	$506.15	$568.65	$631.15	$693.65

Returns Above Total Costs

Yield	---------- Dollars Per Bushel ----------						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
150	($296.35)	($258.85)	($221.35)	($183.85)	($146.35)	($108.85)	($71.35)
160	($266.65)	($226.65)	($186.65)	($146.65)	($106.65)	($66.65)	($26.65)
170	($236.95)	($194.45)	($151.95)	($109.45)	($66.95)	($24.45)	$18.05
180	($207.25)	($162.25)	($117.25)	($72.25)	($27.25)	$17.75	$62.75
190	($177.55)	($130.05)	($82.55)	($35.05)	$12.45	$59.95	$107.45
200	($147.85)	($97.85)	($47.85)	$2.15	$52.15	$102.15	$152.15
210	($118.15)	($65.65)	($13.15)	$39.35	$91.85	$144.35	$196.85
220	($88.45)	($33.45)	$21.55	$76.55	$131.55	$186.55	$241.55
230	($58.75)	($1.25)	$56.25	$113.75	$171.25	$228.75	$286.25
240	($29.05)	$30.95	$90.95	$150.95	$210.95	$270.95	$330.95
250	$0.65	$63.15	$125.65	$188.15	$250.65	$313.15	$375.65

University of Missouri Extension Southeast Missouri Crop Budget

2017 GMO Corn Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	0.350	Bags	275.00	96.25	
Nitrogen	165	Pounds	0.34	56.10	
Phosphate	70	Pounds	0.33	23.10	
Potash	45	Pounds	0.25	11.25	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	20.00	20.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	150	Bushels	0.12	18.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	150	Bushels	0.16	24.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	11.72	
Total Variable		Acre		$ 402.42	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		$ 476.42	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 638.42	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel							
Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	$3.88	$4.62	$6.24	170	$2.40	$2.84	$3.79
110	$3.56	$4.23	$5.70	180	$2.28	$2.69	$3.59
120	$3.28	$3.90	$5.25	190	$2.18	$2.57	$3.42
130	$3.05	$3.62	$4.87	200	$2.08	$2.45	$3.26
140	$2.85	$3.38	$4.54	210	$2.00	$2.35	$3.12
150	$2.68	$3.18	$4.26	220	$1.92	$2.25	$2.99
160	$2.53	$3.00	$4.01	230	$1.85	$2.17	$2.87

Returns Above Variable Costs							
Yield	-- Dollars Per Bushel --						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
100	($63.42)	($38.42)	($13.42)	$11.58	$36.58	$61.58	$86.58
110	($33.72)	($6.22)	$21.28	$48.78	$76.28	$103.78	$131.28
120	($4.02)	$25.98	$55.98	$85.98	$115.98	$145.98	$175.98
130	$25.68	$58.18	$90.68	$123.18	$155.68	$188.18	$220.68
140	$55.38	$90.38	$125.38	$160.38	$195.38	$230.38	$265.38
150	$85.08	$122.58	$160.08	$197.58	$235.08	$272.58	$310.08
160	$114.78	$154.78	$194.78	$234.78	$274.78	$314.78	$354.78
170	$144.48	$186.98	$229.48	$271.98	$314.48	$356.98	$399.48
180	$174.18	$219.18	$264.18	$309.18	$354.18	$399.18	$444.18
190	$203.88	$251.38	$298.88	$346.38	$393.88	$441.38	$488.88
200	$233.58	$283.58	$333.58	$383.58	$433.58	$483.58	$533.58

University of Missouri Extension Southeast Missouri Crop Budget					
2017 Center Pivot Irrigated GMO Corn Budget					
Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	0.4250	Bags	275.00	116.88	
Nitrogen	220	Pounds	0.34	74.80	
Phosphate	90	Pounds	0.33	29.70	
Potash	60	Pounds	0.25	15.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	12.00	12.00	
Post-Emerge	1	Acre	20.00	20.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	0	Acre	5.00	0.00	
Drying Fuel & Electricity*	200	Bushels	0.12	24.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	17.00	17.00	
Machinery Repairs	1	Acre	18.00	18.00	
Hauling & Transportation*	200	Bushels	0.16	32.00	
Labor	1	Acre	37.00	37.00	
Irrigation Fuel (Acre Inches)	12	Acre	2.00	24.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	14.77	
Total Variable		Acre		$ 507.15	
Fixed Machinery Cost	1	Acre	56.00	56.00	
Fixed Buildings & Bins Cost	1	Acre	23.00	23.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		$ 663.15	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 825.15	
* Drying & Transportation Costs Change With Yields					

Breakeven Price in $/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
140	$3.50	$4.62	$5.77	210	$2.43	$3.17	$3.94
150	$3.29	$4.33	$5.41	220	$2.33	$3.04	$3.78
160	$3.10	$4.07	$5.09	230	$2.24	$2.92	$3.62
170	$2.93	$3.85	$4.80	240	$2.16	$2.81	$3.48
180	$2.79	$3.65	$4.55	250	$2.08	$2.71	$3.36
190	$2.65	$3.48	$4.33	260	$2.02	$2.62	$3.24
200	$2.54	$3.32	$4.13	270	$1.95	$2.53	$3.13

Returns Above Variable Costs

Yield	-- Dollars Per Bushel					--
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
150	($5.65)	$31.85	$69.35	$106.85	$144.35	$181.85	$219.35
160	$24.05	$64.05	$104.05	$144.05	$184.05	$224.05	$264.05
170	$53.75	$96.25	$138.75	$181.25	$223.75	$266.25	$308.75
180	$83.45	$128.45	$173.45	$218.45	$263.45	$308.45	$353.45
190	$113.15	$160.65	$208.15	$255.65	$303.15	$350.65	$398.15
200	$142.85	$192.85	$242.85	$292.85	$342.85	$392.85	$442.85
210	$172.55	$225.05	$277.55	$330.05	$382.55	$435.05	$487.55
220	$202.25	$257.25	$312.25	$367.25	$422.25	$477.25	$532.25
230	$231.95	$289.45	$346.95	$404.45	$461.95	$519.45	$576.95
240	$261.65	$321.65	$381.65	$441.65	$501.65	$561.65	$621.65
250	$291.35	$353.85	$416.35	$478.85	$541.35	$603.85	$666.35

University of Missouri Extension Southeast Missouri Crop Budget

2017 Roundup Ready 2 Xtend Soybean Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	1	Bags	65.00	65.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.49	
Total Variable		Acre		$ 257.14	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		$ 300.14	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 462.14	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	$12.66	$14.81	$22.91	55	$4.70	$5.49	$8.43
25	$10.16	$11.88	$18.36	60	$4.33	$5.04	$7.74
30	$8.49	$9.92	$15.32	65	$4.01	$4.67	$7.16
35	$7.30	$8.53	$13.16	70	$3.73	$4.34	$6.66
40	$6.41	$7.48	$11.53	75	$3.49	$4.07	$6.23
45	$5.71	$6.67	$10.27	80	$3.28	$3.82	$5.85
50	$5.16	$6.02	$9.26	85	$3.10	$3.61	$5.51

Returns Above Variable Costs

Yield	---------- Dollars Per Bushel ----------						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($41.44)	($28.94)	($16.44)	($3.94)	$8.56	$21.06	$33.56
30	$0.26	$15.26	$30.26	$45.26	$60.26	$75.26	$90.26
35	$41.96	$59.46	$76.96	$94.46	$111.96	$129.46	$146.96
40	$83.66	$103.66	$123.66	$143.66	$163.66	$183.66	$203.66
45	$125.36	$147.86	$170.36	$192.86	$215.36	$237.86	$260.36
50	$167.06	$192.06	$217.06	$242.06	$267.06	$292.06	$317.06
55	$208.76	$236.26	$263.76	$291.26	$318.76	$346.26	$373.76
60	$250.46	$280.46	$310.46	$340.46	$370.46	$400.46	$430.46
65	$292.16	$324.66	$357.16	$389.66	$422.16	$454.66	$487.16
70	$333.86	$368.86	$403.86	$438.86	$473.86	$508.86	$543.86
75	$375.56	$413.06	$450.56	$488.06	$525.56	$563.06	$600.56

Returns Above Total Costs

Yield	---------- Dollars Per Bushel ----------						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($246.44)	($233.94)	($221.44)	($208.94)	($196.44)	($183.94)	($171.44)
30	($204.74)	($189.74)	($174.74)	($159.74)	($144.74)	($129.74)	($114.74)
35	($163.04)	($145.54)	($128.04)	($110.54)	($93.04)	($75.54)	($58.04)
40	($121.34)	($101.34)	($81.34)	($61.34)	($41.34)	($21.34)	($1.34)
45	($79.64)	($57.14)	($34.64)	($12.14)	$10.36	$32.86	$55.36
50	($37.94)	($12.94)	$12.06	$37.06	$62.06	$87.06	$112.06
55	$3.76	$31.26	$58.76	$86.26	$113.76	$141.26	$168.76
60	$45.46	$75.46	$105.46	$135.46	$165.46	$195.46	$225.46
65	$87.16	$119.66	$152.16	$184.66	$217.16	$249.66	$282.16
70	$128.86	$163.86	$198.86	$233.86	$268.86	$303.86	$338.86
75	$170.56	$208.06	$245.56	$283.06	$320.56	$358.06	$395.56

University of Missouri Extension Southeast Missouri Crop Budget

2017 Ct. Pivot Irr. Roundup Ready 2 Xtend Soybeans

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	1	Bags	65.00	65.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	45	Pounds	0.33	14.85	
Potash	80	Pounds	0.25	20.00	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	2	Acre	15.00	30.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	55	Bushels	0.16	8.80	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	8.60	
Total Variable		Acre		$ 295.25	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		$ 416.25	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 578.25	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel							
Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
30	$9.71	$13.74	$19.14	65	$4.57	$6.43	$8.92
35	$8.34	$11.80	$16.43	70	$4.25	$5.98	$8.29
40	$7.32	$10.35	$14.40	75	$3.98	$5.59	$7.75
45	$6.53	$9.21	$12.81	80	$3.74	$5.25	$7.28
50	$5.89	$8.31	$11.55	85	$3.53	$4.95	$6.86
55	$5.37	$7.57	$10.51	90	$3.34	$4.69	$6.49
60	$4.93	$6.95	$9.65	95	$3.18	$4.45	$6.15

Returns Above Variable Costs

Yield (Bu)	Dollars Per Bushel $8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
35	$5.45	$22.95	$40.45	$57.95	$75.45	$92.95	$110.45
40	$47.15	$67.15	$87.15	$107.15	$127.15	$147.15	$167.15
45	$88.85	$111.35	$133.85	$156.35	$178.85	$201.35	$223.85
50	$130.55	$155.55	$180.55	$205.55	$230.55	$255.55	$280.55
55	$172.25	$199.75	$227.25	$254.75	$282.25	$309.75	$337.25
60	$213.95	$243.95	$273.95	$303.95	$333.95	$363.95	$393.95
65	$255.65	$288.15	$320.65	$353.15	$385.65	$418.15	$450.65
70	$297.35	$332.35	$367.35	$402.35	$437.35	$472.35	$507.35
75	$339.05	$376.55	$414.05	$451.55	$489.05	$526.55	$564.05
80	$380.75	$420.75	$460.75	$500.75	$540.75	$580.75	$620.75
85	$422.45	$464.95	$507.45	$549.95	$592.45	$634.95	$677.45

Returns Above Total Costs

Yield (Bu)	Dollars Per Bushel $8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
35	($277.55)	($260.05)	($242.55)	($225.05)	($207.55)	($190.05)	($172.55)
40	($235.85)	($215.85)	($195.85)	($175.85)	($155.85)	($135.85)	($115.85)
45	($194.15)	($171.65)	($149.15)	($126.65)	($104.15)	($81.65)	($59.15)
50	($152.45)	($127.45)	($102.45)	($77.45)	($52.45)	($27.45)	($2.45)
55	($110.75)	($83.25)	($55.75)	($28.25)	($0.75)	$26.75	$54.25
60	($69.05)	($39.05)	($9.05)	$20.95	$50.95	$80.95	$110.95
65	($27.35)	$5.15	$37.65	$70.15	$102.65	$135.15	$167.65
70	$14.35	$49.35	$84.35	$119.35	$154.35	$189.35	$224.35
75	$56.05	$93.55	$131.05	$168.55	$206.05	$243.55	$281.05
80	$97.75	$137.75	$177.75	$217.75	$257.75	$297.75	$337.75
85	$139.45	$181.95	$224.45	$266.95	$309.45	$351.95	$394.45

University of Missouri Extension Southeast Missouri Crop Budget

2017 Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	1	Bags	58.00	58.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge - Liberty	65	Ounces	0.30	19.50	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.96	
Total Variable		Acre		$ 239.11	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		$ 282.11	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 444.11	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	$11.76	$13.91	$22.01	55	$4.38	$5.16	$8.10
25	$9.44	$11.16	$17.64	60	$4.03	$4.74	$7.44
30	$7.89	$9.32	$14.72	65	$3.73	$4.39	$6.88
35	$6.79	$8.01	$12.64	70	$3.47	$4.09	$6.40
40	$5.96	$7.03	$11.08	75	$3.25	$3.83	$5.99
45	$5.31	$6.27	$9.87	80	$3.06	$3.60	$5.62
50	$4.80	$5.66	$8.90	85	$2.89	$3.39	$5.30

Returns Above Variable Costs

Yield	Dollars Per Bushel						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($23.41)	($10.91)	$1.59	$14.09	$26.59	$39.09	$51.59
30	$18.29	$33.29	$48.29	$63.29	$78.29	$93.29	$108.29
35	$59.99	$77.49	$94.99	$112.49	$129.99	$147.49	$164.99
40	$101.69	$121.69	$141.69	$161.69	$181.69	$201.69	$221.69
45	$143.39	$165.89	$188.39	$210.89	$233.39	$255.89	$278.39
50	$185.09	$210.09	$235.09	$260.09	$285.09	$310.09	$335.09
55	$226.79	$254.29	$281.79	$309.29	$336.79	$364.29	$391.79
60	$268.49	$298.49	$328.49	$358.49	$388.49	$418.49	$448.49
65	$310.19	$342.69	$375.19	$407.69	$440.19	$472.69	$505.19
70	$351.89	$386.89	$421.89	$456.89	$491.89	$526.89	$561.89
75	$393.59	$431.09	$468.59	$506.09	$543.59	$581.09	$618.59

Returns Above Total Costs

Yield	Dollars Per Bushel						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($228.41)	($215.91)	($203.41)	($190.91)	($178.41)	($165.91)	($153.41)
30	($186.71)	($171.71)	($156.71)	($141.71)	($126.71)	($111.71)	($96.71)
35	($145.01)	($127.51)	($110.01)	($92.51)	($75.01)	($57.51)	($40.01)
40	($103.31)	($83.31)	($63.31)	($43.31)	($23.31)	($3.31)	$16.69
45	($61.61)	($39.11)	($16.61)	$5.89	$28.39	$50.89	$73.39
50	($19.91)	$5.09	$30.09	$55.09	$80.09	$105.09	$130.09
55	$21.79	$49.29	$76.79	$104.29	$131.79	$159.29	$186.79
60	$63.49	$93.49	$123.49	$153.49	$183.49	$213.49	$243.49
65	$105.19	$137.69	$170.19	$202.69	$235.19	$267.69	$300.19
70	$146.89	$181.89	$216.89	$251.89	$286.89	$321.89	$356.89
75	$188.59	$226.09	$263.59	$301.09	$338.59	$376.09	$413.59

University of Missouri Extension Southeast Missouri Crop Budget

2017 Center Pivot Irr. Liberty Link Soybean Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	1	Bags	58.00	58.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	45	Pounds	0.33	14.85	
Potash	80	Pounds	0.25	20.00	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge - Liberty	65	Ounces	0.30	19.50	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	55	Bushels	0.16	8.80	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	8.07	
Total Variable		Acre		$ 277.22	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		$ 398.22	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 560.22	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel							
Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	$13.58	$19.63	$27.73	55	$5.04	$7.24	$10.19
25	$10.90	$15.74	$22.22	60	$4.63	$6.65	$9.35
30	$9.11	$13.14	$18.54	65	$4.29	$6.15	$8.64
35	$7.83	$11.29	$15.91	70	$3.99	$5.72	$8.04
40	$6.87	$9.90	$13.95	75	$3.74	$5.35	$7.51
45	$6.12	$8.81	$12.41	80	$3.52	$5.03	$7.05
50	$5.53	$7.95	$11.19	85	$3.32	$4.74	$6.65

Returns Above Variable Costs

Yield (Bu)	Dollars Per Bushel						
	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($59.92)	($47.42)	($34.92)	($22.42)	($9.92)	$2.58	$15.08
30	($18.22)	($3.22)	$11.78	$26.78	$41.78	$56.78	$71.78
35	$23.48	$40.98	$58.48	$75.98	$93.48	$110.98	$128.48
40	$65.18	$85.18	$105.18	$125.18	$145.18	$165.18	$185.18
45	$106.88	$129.38	$151.88	$174.38	$196.88	$219.38	$241.88
50	$148.58	$173.58	$198.58	$223.58	$248.58	$273.58	$298.58
55	$190.28	$217.78	$245.28	$272.78	$300.28	$327.78	$355.28
60	$231.98	$261.98	$291.98	$321.98	$351.98	$381.98	$411.98
65	$273.68	$306.18	$338.68	$371.18	$403.68	$436.18	$468.68
70	$315.38	$350.38	$385.38	$420.38	$455.38	$490.38	$525.38
75	$357.08	$394.58	$432.08	$469.58	$507.08	$544.58	$582.08

Returns Above Total Costs

Yield (Bu)	Dollars Per Bushel						
	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($342.92)	($330.42)	($317.92)	($305.42)	($292.92)	($280.42)	($267.92)
30	($301.22)	($286.22)	($271.22)	($256.22)	($241.22)	($226.22)	($211.22)
35	($259.52)	($242.02)	($224.52)	($207.02)	($189.52)	($172.02)	($154.52)
40	($217.82)	($197.82)	($177.82)	($157.82)	($137.82)	($117.82)	($97.82)
45	($176.12)	($153.62)	($131.12)	($108.62)	($86.12)	($63.62)	($41.12)
50	($134.42)	($109.42)	($84.42)	($59.42)	($34.42)	($9.42)	$15.58
55	($92.72)	($65.22)	($37.72)	($10.22)	$17.28	$44.78	$72.28
60	($51.02)	($21.02)	$8.98	$38.98	$68.98	$98.98	$128.98
65	($9.32)	$23.18	$55.68	$88.18	$120.68	$153.18	$185.68
70	$32.38	$67.38	$102.38	$137.38	$172.38	$207.38	$242.38
75	$74.08	$111.58	$149.08	$186.58	$224.08	$261.58	$299.08

University of Missouri Extension Southeast Missouri Crop Budget

2017 Conventional Soybean Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	1	Bags	35.00	35.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	65	Pounds	0.25	16.25	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	45	Bushels	0.16	7.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.23	
Total Variable		Acre		$ 213.88	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	7.00	7.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		$ 256.88	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 418.88	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel							
Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	$10.49	$12.64	$20.74	55	$3.92	$4.70	$7.65
25	$8.43	$10.15	$16.63	60	$3.60	$4.32	$7.02
30	$7.05	$8.48	$13.88	65	$3.34	$4.00	$6.49
35	$6.07	$7.29	$11.92	70	$3.11	$3.73	$6.04
40	$5.33	$6.40	$10.45	75	$2.92	$3.49	$5.65
45	$4.75	$5.71	$9.31	80	$2.74	$3.28	$5.31
50	$4.29	$5.15	$8.39	85	$2.59	$3.10	$5.00

Returns Above Variable Costs

Yield	Dollars Per Bushel						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	$1.82	$14.32	$26.82	$39.32	$51.82	$64.32	$76.82
30	$43.52	$58.52	$73.52	$88.52	$103.52	$118.52	$133.52
35	$85.22	$102.72	$120.22	$137.72	$155.22	$172.72	$190.22
40	$126.92	$146.92	$166.92	$186.92	$206.92	$226.92	$246.92
45	$168.62	$191.12	$213.62	$236.12	$258.62	$281.12	$303.62
50	$210.32	$235.32	$260.32	$285.32	$310.32	$335.32	$360.32
55	$252.02	$279.52	$307.02	$334.52	$362.02	$389.52	$417.02
60	$293.72	$323.72	$353.72	$383.72	$413.72	$443.72	$473.72
65	$335.42	$367.92	$400.42	$432.92	$465.42	$497.92	$530.42
70	$377.12	$412.12	$447.12	$482.12	$517.12	$552.12	$587.12
75	$418.82	$456.32	$493.82	$531.32	$568.82	$606.32	$643.82

Returns Above Total Costs

Yield	Dollars Per Bushel						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($203.18)	($190.68)	($178.18)	($165.68)	($153.18)	($140.68)	($128.18)
30	($161.48)	($146.48)	($131.48)	($116.48)	($101.48)	($86.48)	($71.48)
35	($119.78)	($102.28)	($84.78)	($67.28)	($49.78)	($32.28)	($14.78)
40	($78.08)	($58.08)	($38.08)	($18.08)	$1.92	$21.92	$41.92
45	($36.38)	($13.88)	$8.62	$31.12	$53.62	$76.12	$98.62
50	$5.32	$30.32	$55.32	$80.32	$105.32	$130.32	$155.32
55	$47.02	$74.52	$102.02	$129.52	$157.02	$184.52	$212.02
60	$88.72	$118.72	$148.72	$178.72	$208.72	$238.72	$268.72
65	$130.42	$162.92	$195.42	$227.92	$260.42	$292.92	$325.42
70	$172.12	$207.12	$242.12	$277.12	$312.12	$347.12	$382.12
75	$213.82	$251.32	$288.82	$326.32	$363.82	$401.32	$438.82

University of Missouri Extension Southeast Missouri Crop Budget

2017 Center Pivot Irr. Conventional Soybean Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	1	Bags	35.00	35.00	
Nitrogen	0	Pounds	0.34	0.00	
Phosphate	45	Pounds	0.33	14.85	
Potash	80	Pounds	0.25	20.00	
Limestone	0.5	Tons	29.00	14.50	
Foliar Fertilizer	0	Acres	0.00	0.00	
Burn Down Herbicides	0	Quarts	0.00	0.00	
Pre-Emerge	1	Acre	15.00	15.00	
Post-Emerge	1	Acre	18.00	18.00	
Fungicide	1	Acres	15.00	15.00	
Insecticide	1	Acre	5.00	5.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	11.00	11.00	
Hauling & Transportation*	55	Bushels	0.16	8.80	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	8	Acre	2.00	16.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	7.34	
Total Variable		Acre		$ 251.99	
Fixed Machinery Cost	1	Acre	36.00	36.00	
Fixed Buildings & Bins Cost	1	Acre	8.00	8.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		$ 372.99	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 534.99	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
20	$12.32	$18.37	$26.47	55	$4.58	$6.78	$9.73
25	$9.89	$14.73	$21.21	60	$4.21	$6.23	$8.93
30	$8.27	$12.30	$17.70	65	$3.90	$5.76	$8.26
35	$7.11	$10.57	$15.19	70	$3.63	$5.36	$7.68
40	$6.24	$9.26	$13.31	75	$3.40	$5.02	$7.18
45	$5.56	$8.25	$11.85	80	$3.20	$4.71	$6.74
50	$5.02	$7.44	$10.68	85	$3.02	$4.44	$6.35

Returns Above Variable Costs

Yield	Dollars Per Bushel						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($34.69)	($22.19)	($9.69)	$2.81	$15.31	$27.81	$40.31
30	$7.01	$22.01	$37.01	$52.01	$67.01	$82.01	$97.01
35	$48.71	$66.21	$83.71	$101.21	$118.71	$136.21	$153.71
40	$90.41	$110.41	$130.41	$150.41	$170.41	$190.41	$210.41
45	$132.11	$154.61	$177.11	$199.61	$222.11	$244.61	$267.11
50	$173.81	$198.81	$223.81	$248.81	$273.81	$298.81	$323.81
55	$215.51	$243.01	$270.51	$298.01	$325.51	$353.01	$380.51
60	$257.21	$287.21	$317.21	$347.21	$377.21	$407.21	$437.21
65	$298.91	$331.41	$363.91	$396.41	$428.91	$461.41	$493.91
70	$340.61	$375.61	$410.61	$445.61	$480.61	$515.61	$550.61
75	$382.31	$419.81	$457.31	$494.81	$532.31	$569.81	$607.31

Returns Above Total Costs

Yield	Dollars Per Bushel						
(Bu)	$8.50	$9.00	$9.50	$10.00	$10.50	$11.00	$11.50
25	($317.69)	($305.19)	($292.69)	($280.19)	($267.69)	($255.19)	($242.69)
30	($275.99)	($260.99)	($245.99)	($230.99)	($215.99)	($200.99)	($185.99)
35	($234.29)	($216.79)	($199.29)	($181.79)	($164.29)	($146.79)	($129.29)
40	($192.59)	($172.59)	($152.59)	($132.59)	($112.59)	($92.59)	($72.59)
45	($150.89)	($128.39)	($105.89)	($83.39)	($60.89)	($38.39)	($15.89)
50	($109.19)	($84.19)	($59.19)	($34.19)	($9.19)	$15.81	$40.81
55	($67.49)	($39.99)	($12.49)	$15.01	$42.51	$70.01	$97.51
60	($25.79)	$4.21	$34.21	$64.21	$94.21	$124.21	$154.21
65	$15.91	$48.41	$80.91	$113.41	$145.91	$178.41	$210.91
70	$57.61	$92.61	$127.61	$162.61	$197.61	$232.61	$267.61
75	$99.31	$136.81	$174.31	$211.81	$249.31	$286.81	$324.31

University of Missouri Extension Southeast Missouri Crop Budget

2017 Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	0.16	Bags	125.00	20.00	
Nitrogen	125	Pounds	0.34	42.50	
Phosphate	60	Pounds	0.33	19.80	
Potash	40	Pounds	0.25	10.00	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	7.00	7.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	110	Bushels	0.12	13.20	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	16.00	16.00	
Machinery Repairs	1	Acre	16.00	16.00	
Hauling & Transportation*	110	Bushels	0.16	17.60	
Labor	1	Acre	35.00	35.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	8.36	
Total Variable		Acre		$ 286.96	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	17.00	17.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		$ 353.96	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 515.96	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel							
Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
70	$3.94	$4.90	$7.21	140	$2.11	$2.59	$3.75
80	$3.48	$4.32	$6.34	150	$1.99	$2.43	$3.51
90	$3.13	$3.87	$5.67	160	$1.88	$2.30	$3.31
100	$2.84	$3.51	$5.13	170	$1.79	$2.18	$3.13
110	$2.61	$3.22	$4.69	180	$1.70	$2.08	$2.98
120	$2.41	$2.97	$4.32	190	$1.63	$1.98	$2.83
130	$2.25	$2.77	$4.01	200	$1.56	$1.90	$2.71

Returns Above Variable Costs

Yield	---------------- Dollars Per Bushel ----------------						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
50	($107.66)	($95.16)	($82.66)	($70.16)	($57.66)	($45.16)	($32.66)
60	($77.96)	($62.96)	($47.96)	($32.96)	($17.96)	($2.96)	$12.04
70	($48.26)	($30.76)	($13.26)	$4.24	$21.74	$39.24	$56.74
80	($18.56)	$1.44	$21.44	$41.44	$61.44	$81.44	$101.44
90	$11.14	$33.64	$56.14	$78.64	$101.14	$123.64	$146.14
100	$40.84	$65.84	$90.84	$115.84	$140.84	$165.84	$190.84
110	$70.54	$98.04	$125.54	$153.04	$180.54	$208.04	$235.54
120	$100.24	$130.24	$160.24	$190.24	$220.24	$250.24	$280.24
130	$129.94	$162.44	$194.94	$227.44	$259.94	$292.44	$324.94
140	$159.64	$194.64	$229.64	$264.64	$299.64	$334.64	$369.64
150	$189.34	$226.84	$264.34	$301.84	$339.34	$376.84	$414.34

Returns Above Total Costs

Yield	---------------- Dollars Per Bushel ----------------						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
50	($336.66)	($324.16)	($311.66)	($299.16)	($286.66)	($274.16)	($261.66)
60	($306.96)	($291.96)	($276.96)	($261.96)	($246.96)	($231.96)	($216.96)
70	($277.26)	($259.76)	($242.26)	($224.76)	($207.26)	($189.76)	($172.26)
80	($247.56)	($227.56)	($207.56)	($187.56)	($167.56)	($147.56)	($127.56)
90	($217.86)	($195.36)	($172.86)	($150.36)	($127.86)	($105.36)	($82.86)
100	($188.16)	($163.16)	($138.16)	($113.16)	($88.16)	($63.16)	($38.16)
110	($158.46)	($130.96)	($103.46)	($75.96)	($48.46)	($20.96)	$6.54
120	($128.76)	($98.76)	($68.76)	($38.76)	($8.76)	$21.24	$51.24
130	($99.06)	($66.56)	($34.06)	($1.56)	$30.94	$63.44	$95.94
140	($69.36)	($34.36)	$0.64	$35.64	$70.64	$105.64	$140.64
150	($39.66)	($2.16)	$35.34	$72.84	$110.34	$147.84	$185.34

University of Missouri Extension Southeast Missouri Crop Budget

2017 Center Pivot Irrigated Grain Sorghum Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	0.2	Bags	125.00	25.00	
Nitrogen	150	Pounds	0.34	51.00	
Phosphate	70	Pounds	0.33	23.10	
Potash	45	Pounds	0.25	11.25	
Limestone	0.5	Tons	29.00	14.50	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	0	Pounds	0.00	0.00	
Boron	0	Pounds	0.00	0.00	
Pre-Emerge	1	Acre	17.00	17.00	
Post-Emerge	1	Acre	7.00	7.00	
Fungicide	0	Acre	0.00	0.00	
Insecticide	1	Acre	15.00	15.00	
Drying Fuel & Electricity*	130	Bushels	0.12	15.60	
Miscellaneous Overhead	1	Acre	12.00	12.00	
Machinery Fuel	1	Acre	16.00	16.00	
Machinery Repairs	1	Acre	16.00	16.00	
Hauling & Transportation*	130	Bushels	0.16	20.80	
Labor	1	Acre	35.00	35.00	
Irrigation Fuel (Acre Inches)	10	Acre	2.00	20.00	
Irrigation Repairs	1	Acre	10.00	10.00	
Irrigation Labor	1	Acre	4.00	4.00	
Custom Application	2	Acre	6.50	13.00	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	10.09	
Total Variable		Acre		$ 346.34	
Fixed Machinery Cost	1	Acre	50.00	50.00	
Fixed Buildings & Bins Cost	1	Acre	18.00	18.00	
Fixed Irrigation Cost	1	Acre	77.00	77.00	
Total (Excluding Land)		Acre		$ 491.34	
Land Real Estate Taxes	1	Acre	0.20%	12.00	
Land Interest	6000	Acre	2.50%	150.00	
Total Cost		Acre		$ 653.34	
* Drying & Transportation Costs Change With Yields					

Breakeven Price in $/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
100	$3.38	$4.83	$6.45	170	$2.10	$2.96	$3.91
110	$3.10	$4.42	$5.89	180	$2.00	$2.81	$3.71
120	$2.86	$4.07	$5.42	190	$1.91	$2.67	$3.53
130	$2.66	$3.78	$5.03	200	$1.83	$2.55	$3.36
140	$2.49	$3.53	$4.69	210	$1.76	$2.45	$3.22
150	$2.35	$3.31	$4.39	220	$1.69	$2.35	$3.08
160	$2.22	$3.12	$4.14	230	$1.63	$2.26	$2.96

Returns Above Variable Costs

Yield	------------------ Dollars Per Bushel ------------------						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
80	($72.34)	($52.34)	($32.34)	($12.34)	$7.66	$27.66	$47.66
90	($42.64)	($20.14)	$2.36	$24.86	$47.36	$69.86	$92.36
100	($12.94)	$12.06	$37.06	$62.06	$87.06	$112.06	$137.06
110	$16.76	$44.26	$71.76	$99.26	$126.76	$154.26	$181.76
120	$46.46	$76.46	$106.46	$136.46	$166.46	$196.46	$226.46
130	$76.16	$108.66	$141.16	$173.66	$206.16	$238.66	$271.16
140	$105.86	$140.86	$175.86	$210.86	$245.86	$280.86	$315.86
150	$135.56	$173.06	$210.56	$248.06	$285.56	$323.06	$360.56
160	$165.26	$205.26	$245.26	$285.26	$325.26	$365.26	$405.26
170	$194.96	$237.46	$279.96	$322.46	$364.96	$407.46	$449.96
180	$224.66	$269.66	$314.66	$359.66	$404.66	$449.66	$494.66

Returns Above Total Costs

Yield	------------------ Dollars Per Bushel ------------------						
(Bu)	$3.25	$3.50	$3.75	$4.00	$4.25	$4.50	$4.75
80	($379.34)	($359.34)	($339.34)	($319.34)	($299.34)	($279.34)	($259.34)
90	($349.64)	($327.14)	($304.64)	($282.14)	($259.64)	($237.14)	($214.64)
100	($319.94)	($294.94)	($269.94)	($244.94)	($219.94)	($194.94)	($169.94)
110	($290.24)	($262.74)	($235.24)	($207.74)	($180.24)	($152.74)	($125.24)
120	($260.54)	($230.54)	($200.54)	($170.54)	($140.54)	($110.54)	($80.54)
130	($230.84)	($198.34)	($165.84)	($133.34)	($100.84)	($68.34)	($35.84)
140	($201.14)	($166.14)	($131.14)	($96.14)	($61.14)	($26.14)	$8.86
150	($171.44)	($133.94)	($96.44)	($58.94)	($21.44)	$16.06	$53.56
160	($141.74)	($101.74)	($61.74)	($21.74)	$18.26	$58.26	$98.26
170	($112.04)	($69.54)	($27.04)	$15.46	$57.96	$100.46	$142.96
180	($82.34)	($37.34)	$7.66	$52.66	$97.66	$142.66	$187.66

University of Missouri Extension Southeast Missouri Crop Budget

2017 Wheat Budget

Variable Cost	Number of Units	Units	Cost $/Unit	Total Cost/Acre	Your Cost $/Acre
Seed	2.25	Bags	17.00	38.25	
Nitrogen	100	Pounds	0.34	34.00	
Phosphate	40	Pounds	0.33	13.20	
Potash	20	Pounds	0.25	5.00	
Limestone	0.25	Tons	29.00	7.25	
Starter Fertilizer	0	Acre	0.00	0.00	
Zinc	0	Pounds	0.00	0.00	
Sulfur	15	Pounds	0.35	5.25	
Boron	0	Pounds	0.00	0.00	
Post-Emerge - Ryegrass	1	Acre	15.00	15.00	
Post-Emerge - Broadleaf	1	Acre	5.00	5.00	
Fungicide	1	Acre	15.00	15.00	
Insecticide	2	Acre	5.00	10.00	
Drying Fuel & Electricity*	0	Bushels	0.08	0.00	
Miscellaneous Overhead	1	Acre	6.00	6.00	
Machinery Fuel	1	Acre	9.00	9.00	
Machinery Repairs	1	Acre	10.00	10.00	
Hauling & Transportation*	70	Bushels	0.16	11.20	
Labor	1	Acre	20.00	20.00	
Irrigation Fuel (Acre Inches)	0	Acre	2.00	0.00	
Irrigation Repairs	0	Acre	10.00	0.00	
Irrigation Labor	0	Acre	4.00	0.00	
Custom Application	1	Acre	6.50	6.50	
Crop Insurance	1	Acre	10.00	10.00	
Interest (1/2 year at 6.0%)	0.5	Acre	6.00%	6.62	
Total Variable		Acre		$ 227.27	
Fixed Machinery Cost	1	Acre	35.00	35.00	
Fixed Buildings & Bins Cost	1	Acre	4.00	4.00	
Fixed Irrigation Cost	0	Acre	77.00	0.00	
Total (Excluding Land)		Acre		$ 266.27	
Land Real Estate Taxes	1	Acre	0.20%	6.00	
Land Interest	3000	Acre	2.50%	75.00	
Total Cost		Acre		$ 347.27	

* Drying & Transportation Costs Change With Yields

Breakeven Price in $/Bushel

Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost	Yield Bu/Acre	Variable Cost	Total Cost Excluding Land	Total Cost
40	$5.56	$6.54	$8.56	75	$3.04	$3.56	$4.64
45	$4.96	$5.83	$7.63	80	$2.86	$3.35	$4.36
50	$4.48	$5.26	$6.88	85	$2.70	$3.16	$4.11
55	$4.09	$4.80	$6.27	90	$2.56	$2.99	$3.89
60	$3.76	$4.41	$5.76	95	$2.43	$2.84	$3.70
65	$3.48	$4.08	$5.33	100	$2.32	$2.71	$3.52
70	$3.25	$3.80	$4.96	105	$2.22	$2.59	$3.36

Returns Above Variable Costs

Yield	Dollars Per Bushel						
(Bu)	$3.50	$4.00	$4.50	$5.00	$5.50	$6.00	$6.50
35	($99.17)	($81.67)	($64.17)	($46.67)	($29.17)	($11.67)	$5.83
40	($82.47)	($62.47)	($42.47)	($22.47)	($2.47)	$17.53	$37.53
45	($65.77)	($43.27)	($20.77)	$1.73	$24.23	$46.73	$69.23
50	($49.07)	($24.07)	$0.93	$25.93	$50.93	$75.93	$100.93
55	($32.37)	($4.87)	$22.63	$50.13	$77.63	$105.13	$132.63
60	($15.67)	$14.33	$44.33	$74.33	$104.33	$134.33	$164.33
65	$1.03	$33.53	$66.03	$98.53	$131.03	$163.53	$196.03
70	$17.73	$52.73	$87.73	$122.73	$157.73	$192.73	$227.73
75	$34.43	$71.93	$109.43	$146.93	$184.43	$221.93	$259.43
80	$51.13	$91.13	$131.13	$171.13	$211.13	$251.13	$291.13
85	$67.83	$110.33	$152.83	$195.33	$237.83	$280.33	$322.83

Returns Above Total Costs

Yield	Dollars Per Bushel						
(Bu)	$3.50	$4.00	$4.50	$5.00	$5.50	$6.00	$6.50
35	($219.17)	($201.67)	($184.17)	($166.67)	($149.17)	($131.67)	($114.17)
40	($202.47)	($182.47)	($162.47)	($142.47)	($122.47)	($102.47)	($82.47)
45	($185.77)	($163.27)	($140.77)	($118.27)	($95.77)	($73.27)	($50.77)
50	($169.07)	($144.07)	($119.07)	($94.07)	($69.07)	($44.07)	($19.07)
55	($152.37)	($124.87)	($97.37)	($69.87)	($42.37)	($14.87)	$12.63
60	($135.67)	($105.67)	($75.67)	($45.67)	($15.67)	$14.33	$44.33
65	($118.97)	($86.47)	($53.97)	($21.47)	$11.03	$43.53	$76.03
70	($102.27)	($67.27)	($32.27)	$2.73	$37.73	$72.73	$107.73
75	($85.57)	($48.07)	($10.57)	$26.93	$64.43	$101.93	$139.43
80	($68.87)	($28.87)	$11.13	$51.13	$91.13	$131.13	$171.13
85	($52.17)	($9.67)	$32.83	$75.33	$117.83	$160.33	$202.83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