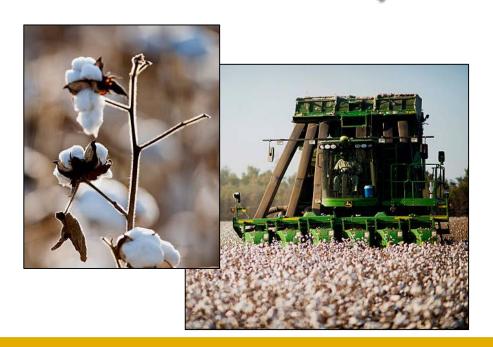


Louisiana Agricultural Technology and Management Conference Louisiana Agricultural Consultants Association Paragon Casino and Resort, Marksville, LA Tuesday, February 12, 2019

Cotton Economics Market Outlook, Production, and Policy



Dr. Michael Deliberto

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Louisiana State University Agricultural Center

2019 Market Outlook

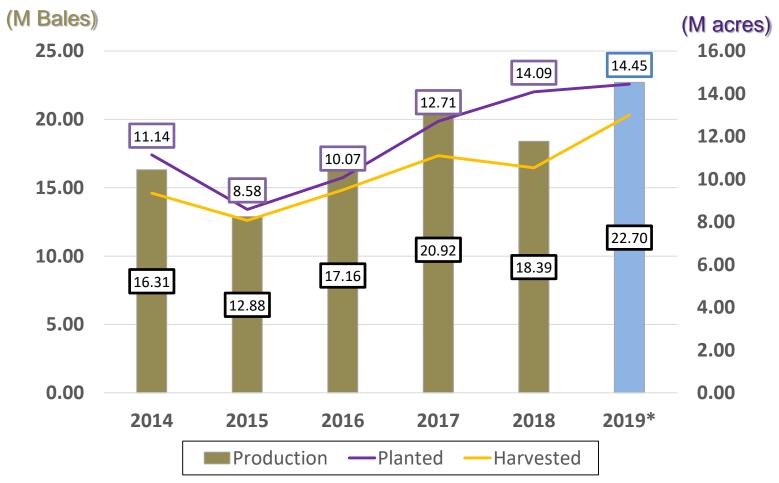
Is a picture really worth a thousand words? What does it mean for cotton?





U.S. Cotton Production and Acreage

Previous five-year comparison with 2019 NCC planting intentions survey





Cotton Market

Fundamentals acting on the supply and use balance sheet

Total Cotton	2017/18 (M Bales)	2018/19 (M Bales)	Percent Change
Beginning stocks	2.75	4.30	+56.4%
Production	20.92	18.39	-12.1%
Imports	0.00	0.01	
Total Supply	23.68	22.70	-4.1%
Domestic use	3.23	3.20	-1.0%
Exports	15.85	15.00	-5.4%
Total Use	19.07	18.20	-4.6%
Ending stocks	4.30	4.30	
Stocks-to-Use Ratio	24.2%	24.7%	

\$0.686/lb \$0.71-\$0.73/lb \$0.72



Cotton Market Direction

Making the case for bearish or bullish conditions in 2019

<u>Bullish Factors</u>	<u>Bearish Factors</u>
Declining world carryover	U.S./China trade war
Declining Chinese carryover	 Two import markets effected closed to U.S. cotton
Declining world production	 China and Turkey account for 4 M bales of U.S. exports
 Trend of increasing world consumption 	 Two textile economics are reducing spinning
Smallest Indian crop in 9 years	Slowing Chinese economy
India to import U.S. cotton	 Expansion of Brazilian land area for field crops
Two large countries reducing stocks	 U.S. facing 4.5-5 M bale production increase



2019 Cotton Market

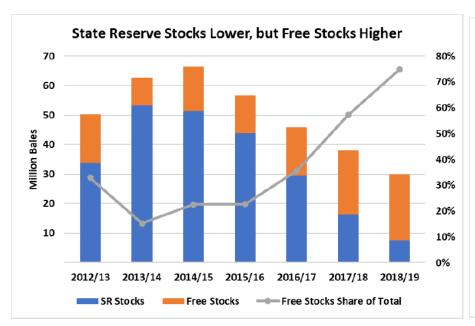
Factors that support a bearish assessment of upcoming marketing year

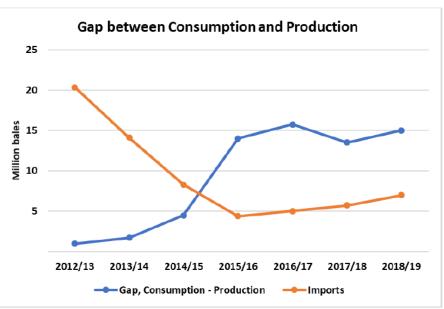
- 1. Price
 - \$0.72 cotton finds a lot of cotton not priced; will \$0.80 be reached?
- 2. Supply
 - Significant rise in ending stocks
- 3. Tariffs
 - China's retaliatory tariffs weigh on the market
- 4. Competition
 - Brazil is stepping up production of cotton and soybeans
- 5. Interest Rates
 - The Fed has raised rates several times over the past two years
- 6. Trade
 - Exports to China and Turkey are down 20%
- 7. The Economy
 - Global slowdown means less discretionary income



China's Reserve Stocks Have Decreased

When will their cotton imports pickup?





SR stocks are currently estimated at just under 13 million bales. This dramatic reduction was accomplished by 3 years of aggressive selling, with 11.5 million bales sold in the latest annual round of selling which ended in September. China was able to accomplish this due to two factors: first, price reform increased the gap between consumption and production; and second, import access was limited to the WTO TRQ.



Potential 2019 Cotton Crop

Compared to 14 M acres and 18.59 M bale crop in 2018

	Yield 850		Yield	ield 875		Yield 900			
Acres	А	bandonmei	nt	А	bando nmei	nt	Abandonment		
Planted	10%	15%	20%	10%	15%	20%	10%	15%	20%
12.0	19.1	18.1	17.0	19.7	18.6	17.5	20.3	19.1	18.0
12.5	19.9	18.8	17.7	20.5	19.4	18.2	21.1	19.9	18.8
13.0	20.7	19.6	18.4	21.3	20.1	19.0	21.9	20.7	19.5
13.5	21.5	20.3	19.1	22.1	20.9	19.7	22.8	21.5	20.3
14.0	22.3	21.1	19.8	23.0	21.7	20.4	23.6	22.3	21.0
14.5	23.1	21.8	20.5	23.8	22.5	21.1	24.5	23.1	21.8
15.0	23.9	22.6	21.3	24.6	23.2	21.9	25.3	23.9	22.5

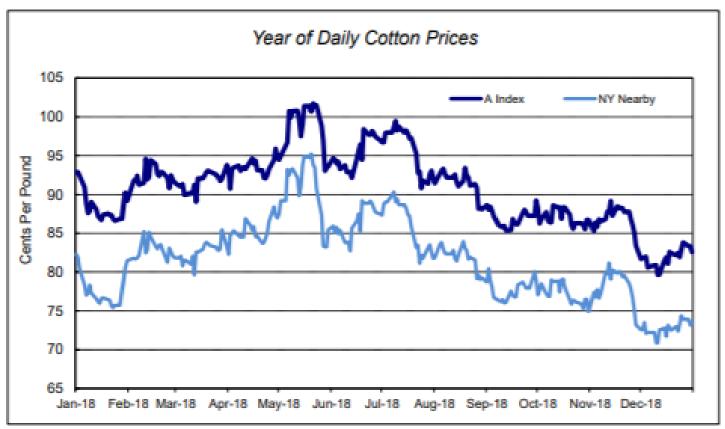
Denotes the possibility of a larger 2019 cotton crop

Denotes the possibility of a smaller 2019 cotton crop



Daily Cotton Prices

Year in review of the A Index and NY Nearby Price

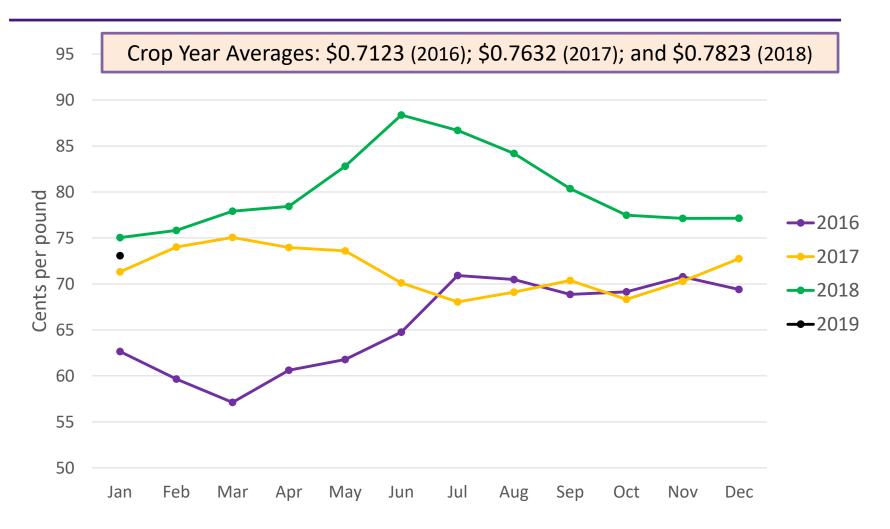


Sources: ICE Futures U.S. & Cotton Outlook



December Cotton Futures

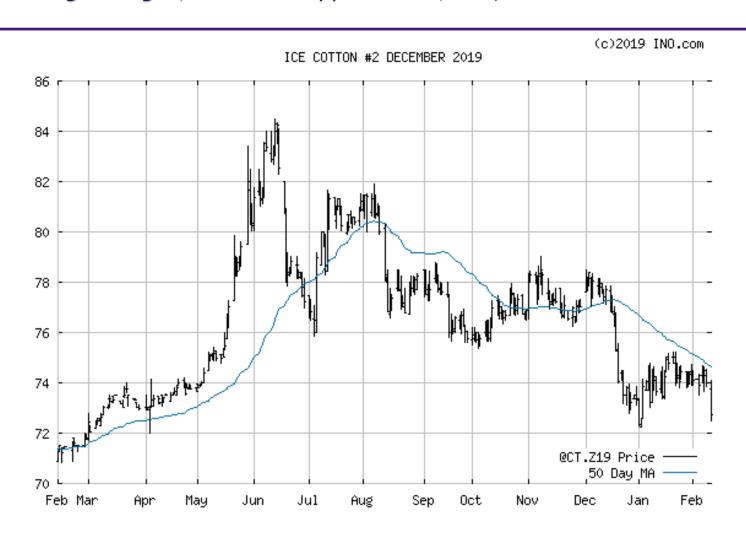
Three-year comparison of NYCE Nearby December Contract





New Crop Cotton (December 2019) Futures

Price target range \$0.76 with support is at \$0.72; market trend is lower





New Crop Corn (December 2019) Futures

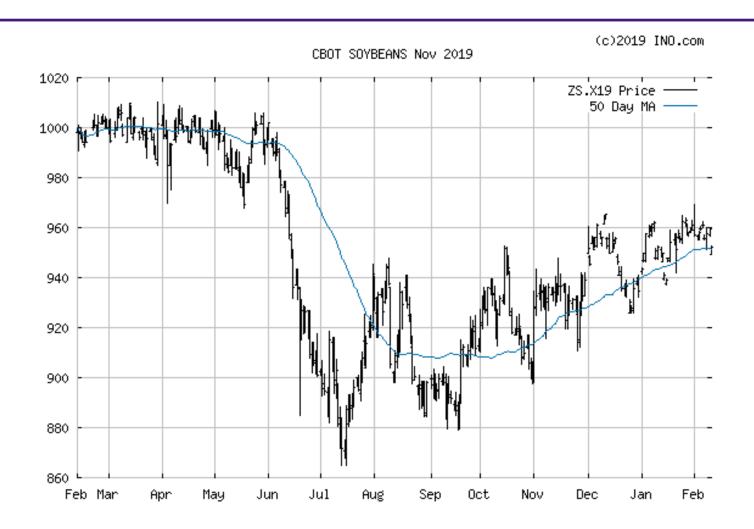
Price settle at \$3.99; market trend is choppy





New Crop Soybeans (November 2019) Futures

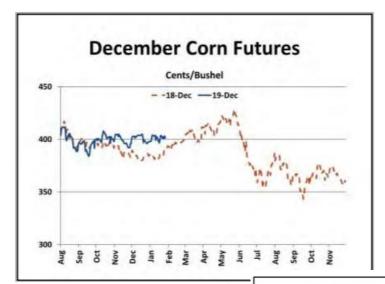
Price settle at \$9.52; market trend is choppy to higher

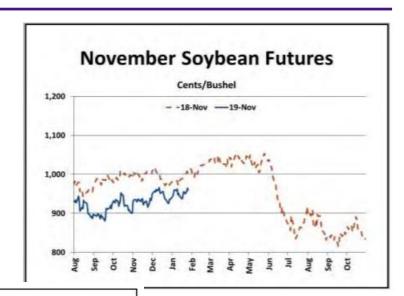


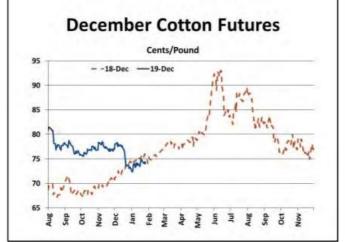


Price of Corn and Soybeans vs. Cotton

What signals are being sent to producers in 2019?









Cotton Price Signals

What are the relative price of corn and soybeans telling producers?

2018 Crop Relative Prices											
	02/01/18	03/01/18	04/01/18	05/01/18	Avg						
Cotton (Dec18)	0.754	0.772	0.775	0.788	0.772						
Corn (Dec18)	3.93	4.04	4.11	4.20	4.07						
Soybeans (Nov 18)	10.04	10.38	10.40	10.50	10.33						
Corn/Cotton	5.2	5.2	5.3	5.3	5.3						
Soybeans/Cotton	13.3	13.4	13.4	13.3	13.4						

Current 2019 Crop Relative Prices						
	01/09/19					
Cotton (Dec 19)	0.742					
Corn (Dec 19)	4.03					
Soybeans (Nov 19)	9.61					
Corn/Cotton	5.4					
Soybeans/Cotton	13.0					

Corn has gained relative to cotton

Cotton has gained relative to soybeans

Corn/Cotton	5.40	1
Soybeans/Cotton	12.89	1

Corn	Cotton	Ratio
\$3.80	\$0.74	5.14
\$3.85	\$0.74	5.20
\$3.90	\$0.74	5.27
\$3.95	\$0.74	5.34
\$4.00	\$0.74	5.41
\$4.05	\$0.74	5.47
\$4.10	\$0.74	5.54

Soybean	Cotton	Ratio
\$9.50	\$0.74	12.84
\$9.55	\$0.74	12.91
\$9.60	\$0.74	12.97
\$9.65	\$0.74	13.04
\$9.70	\$0.74	13.11



Cotton Market Outlook

Bearish or bullish conditions?

- Current price levels for Dec 19 contract
- Will production (acreage) be higher?
- Weaker prices likely on more production
- Trade uncertainties and exports
- Prices of corn, peanuts, and soybeans relative to cotton
- How much will Texas and Georgia plant?



NCC's 2019 Cotton Acreage Intentions

Prospective acreage estimated at 14.4 M

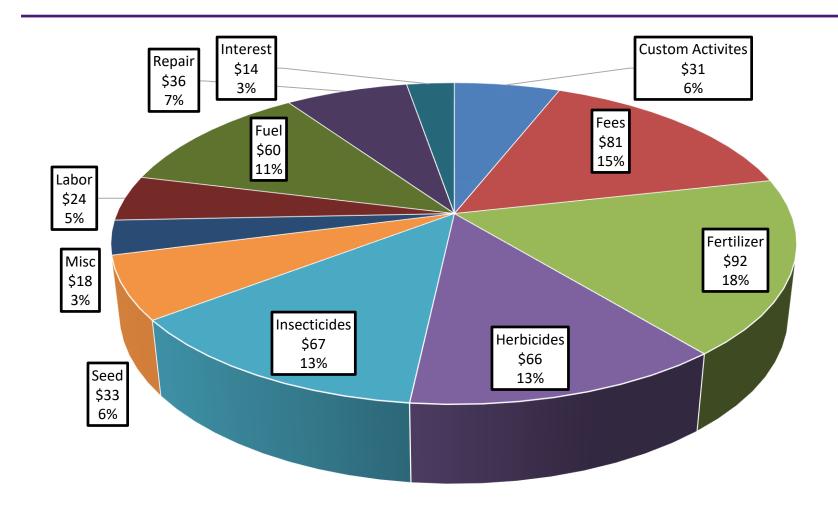
The mid-south shows the largest percentage increase in acres.

	2018 Actual (Thou.) 1/	2019 Intended (Thou.) 2/	Percent Change	
SOUTHEAST	2,886	2,812	-2.6%	
Alabama	510	507	-0.6%	
Florida	118	111	-6.1%	
Georgia	1,430	1,379	-3.6%	
North Carolina.	430	430	0.1%	
South Carolina	300	284	-5.4%	
Virginia	98	101	3.5%	
MID-SOUTH	1,985	2,256	13.6%	
Arkansas	485	555	14.4%	
Louisiana	195	238	22.2%	
Mississippi	620	734	18.4%	
Missouri	325	347	6.9%	
Tennessee	360	381	5.9%	
SOUTHWEST	8,645	8,833	2.2%	
Kansas	165	171	3.4%	
Oklahoma	780	788	1.0%	
Texas	7,700	7,874	2.3%	
WEST	278	286	2.9%	
Arizona	150	151	1.0%	
California	50	57	14.4%	
New Mexico	78	78	-0.6%	
TOTAL UPLAND	13,794	14,186	2.8%	
TOTAL ELS	248	264	6.3%	
Arizona	14	11	-19.9%	
California	210	230	9.7%	
New Mexico	7	7	-1.4%	
Texas	17	15	-10.0%	
ALL COTTON	14,042	14,450	2.9%	



Cotton Production Costs for 2019

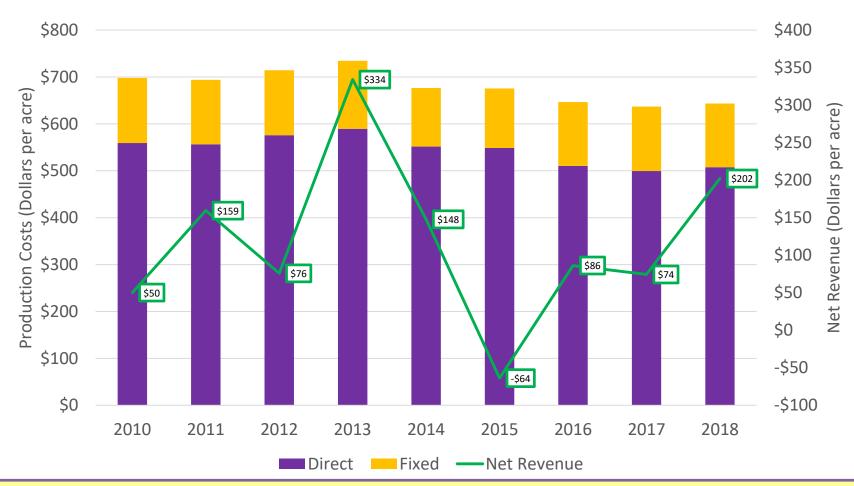
Irrigated cotton enterprise budget (\$535 per acre direct costs)





Net Revenue and Production Expenses - Cotton

Enterprise costs and returns estimates from the LSU AgCenter



Midpoint of dryland and irrigated production costs coupled with \$30 general overhead expense per acre. State price and yield for lint and seed obtained via USDA NASS.



Breakeven Cotton Yield Example for 2019

Yield necessary to cover specified production expenses per acre (\$0.72)

	Breakeven Yield (lint pounds/ac) Specified Production Cost per acre for Cotton											
Pric	ce/lb	<u>\$425</u>	<u>\$450</u>	<u>\$475</u>	<u>\$500</u>	<u>\$525</u>	<u>\$550</u>	<u>\$575</u>	<u>\$600</u>	<u>\$625</u>	<u>\$650</u>	<u>\$675</u>
\$0	.65	653.8	692.3	730.8	769.2	807.7	846.2	884.6	923.1	961.5	1000.0	1038.5
\$0	.67	634.3	671.6	709.0	746.3	783.6	820.9	858.2	895.5	932.8	970.1	1007.5
\$0	.69	615 9	652.2	688 4	724 6	760 9	797 1	833.3	869 6	905.8	942 0	978 3
\$0	.71	598.6	633.8	669.0	704.2	739.4	774.6	809.9	845.1	880.3	915.5	950.7
\$0	.73	582.2	616.4	650.7	684.9	719.2	753.4	787.7	821.9	856.2	890.4	924.7
\$0	./5	566./	600.0	633.3	666.7	/00.0	/33.3	/66./	800.0	833.3	866.7	900.0
\$0	.77	551.9	584.4	616.9	649.4	681.8	714.3	746.8	779.2	811.7	844.2	876.6
\$0	.79	538.0	569.6	601.3	632.9	664.6	696.2	727.8	759.5	791.1	822.8	854.4
\$0	.81	524.7	555.6	586.4	617.3	648.1	679.0	709.9	740.7	771.6	802.5	833.3
\$0	.83	512.0	542.2	572.3	602.4	632.5	662.7	692.8	722.9	753.0	783.1	813.3
\$0	.85	500.0	529.4	558.8	588.2	617.6	647.1	676.5	705.9	735.3	764.7	794.1
\$0	.87	488.5	517.2	546.0	574.7	603.4	632.2	660.9	689.7	718.4	747.1	775.9
\$0	.89	477.5	505.6	533.7	561.8	589.9	618.0	646.1	674.2	702.2	730.3	758.4

Non-irrigated direct expenses per acre \$497 Irrigated direct expenses per acre \$557



Cotton Lint Returns per acre

Price and yield sensitivity above total specified costs





Cotton vs. Corn Net Return Comparison

Evaluates price, yields, and land rent of competing enterprises for 2019

Cotton Net Return Advantage Compared to Corn Net Returns

Cotton Variable Costs = \$500 per acre

Cotton Expected Yield = 1,050 pounds per acre
Cotton Share Rent = 20% crop share

Cotton Cash Rent = \$0 per acre

Corn Variable Costs = \$430

Corn Expected Yield = 175

Corn Share Rent = Corn Cash Rent =

\$430 per acre

175 bushels per acre

20% crop share

\$0 per acre

Corn Price (\$/bu)

Cotton Price (\$/lb)				_					
	\$2.90	\$3.15	\$3.40	\$3.65	\$3.90	\$4.15	\$4.40	\$4.65	\$4.90
\$0.55	-14	-49	-84	-119	-154	-189	-224	-259	-294
\$0.57	\$3	-32	-67	-102	-137	-172	-207	-242	-277
\$0.59	\$20	-15	-50	-85	-120	-155	-190	-225	-260
\$0.61	\$36	\$1	-34	-69	-104	-139	-174	-209	-244
\$0.63	\$53	\$18	-17	-52	-87	-122	-157	-192	-227
\$0.65	\$70	\$35	\$0	-35	-70	-105	-140	-175	-210
\$0.67	\$87	\$52	\$17	-18	-53	-88	-123	-158	-193
\$0.69	\$104	\$69	\$34	-1	-36	-71	-106	-141	-176
\$0.71	\$120	\$85	\$50	\$15	-20	-55	-90	-125	-160
\$0.73	\$137	\$102	\$67	\$32	-3	-38	-73	-108	-143
\$0.75	\$154	\$119	\$84	\$49	\$14	-21	-56	-91	-126
\$0.77	\$171	\$136	\$101	\$66	\$31	-4	-39	-74	-109
\$0.79	\$188	\$153	\$118	\$83	\$48	\$13	-22	-57	-92
\$0.81	\$204	\$169	\$134	\$99	\$64	\$29	-6	-41	-76
\$0.83	\$221	\$186	\$151	\$116	\$81	\$46	\$11	-24	-59
\$0.85	\$238	\$203	\$168	\$133	\$98	\$63	\$28	-7	-42

Values in table equal to cotton net returns minus corn net returns above variable costs



Cotton vs. Soybean Net Return Comparison

Evaluates price, yields, and land rent of competing enterprises for 2019

Cotton Net Return Advantage Compared to Soybean Net Returns

Cotton Variable Costs =

\$500 per acre

1,050 pounds per acre

Soybean Variable Costs = Soybean Expected Yield = **\$365** per acre

Cotton Expected Yield = Cotton Share Rent =

Cotton Cash Rent =

20% crop share

Soybean Share Rent =

55 bushels per acre

\$0 per acre

Soybean Cash Rent =

20% crop share \$0 per acre

Soybean Price (\$/bu)

Cotton Price (\$/lb)

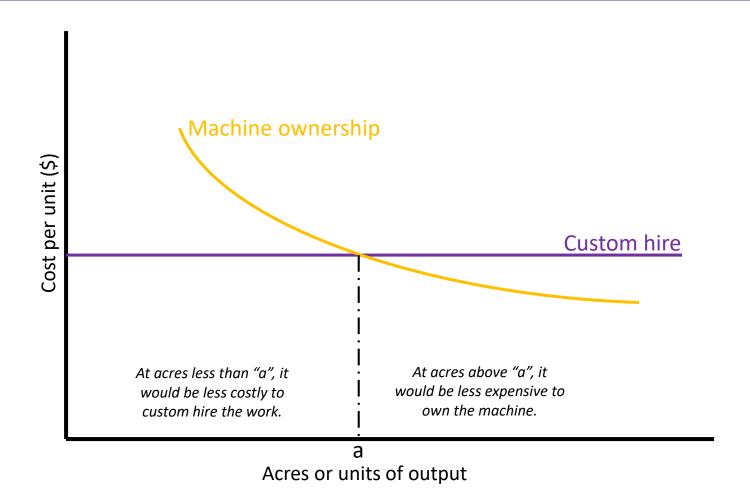
	\$8.75	\$9.00	\$9.25	\$9.50	\$9.75	\$10.00	\$10.25	\$10.50	\$10.75
\$0.55	-58	-69	-80	-91	-102	-113	-124	-135	-146
\$0.57	-41	-52	-63	-74	-85	-96	-107	-118	-129
\$0.59	-24	-35	-46	-57	-68	-79	-90	-101	-112
\$0.61	-8	-19	-30	-41	-52	-63	-74	-85	-96
\$0.63	\$9	-2	-13	-24	-35	-46	-57	-68	-79
\$0.65	\$26	\$15	\$4	-7	-18	-29	-40	-51	-62
\$0.67	\$43	\$32	\$21	\$10	-1	-12	-23	-34	-45
\$0.69	\$60	\$49	\$38	\$27	\$16	\$5	-6	-17	-28
\$0.71	\$76	\$65	\$54	\$43	\$32	\$21	\$10	-1	-12
\$0.73	\$93	\$82	\$71	\$60	\$49	\$38	\$27	\$16	\$5
\$0.75	\$110	\$99	\$88	\$77	\$66	\$55	\$44	\$33	\$22
\$0.77	\$127	\$116	\$105	\$94	\$83	\$72	\$61	\$50	\$39
\$0.79	\$144	\$133	\$122	\$111	\$100	\$89	\$78	\$67	\$56
\$0.81	\$160	\$149	\$138	\$127	\$116	\$105	\$94	\$83	\$72
\$0.83	\$177	\$166	\$155	\$144	\$133	\$122	\$111	\$100	\$89
\$0.85	\$194	\$183	\$172	\$161	\$150	\$139	\$128	\$117	\$106

Values in table equal to cotton net returns minus soybean net returns above variable costs



Machinery Management Considerations

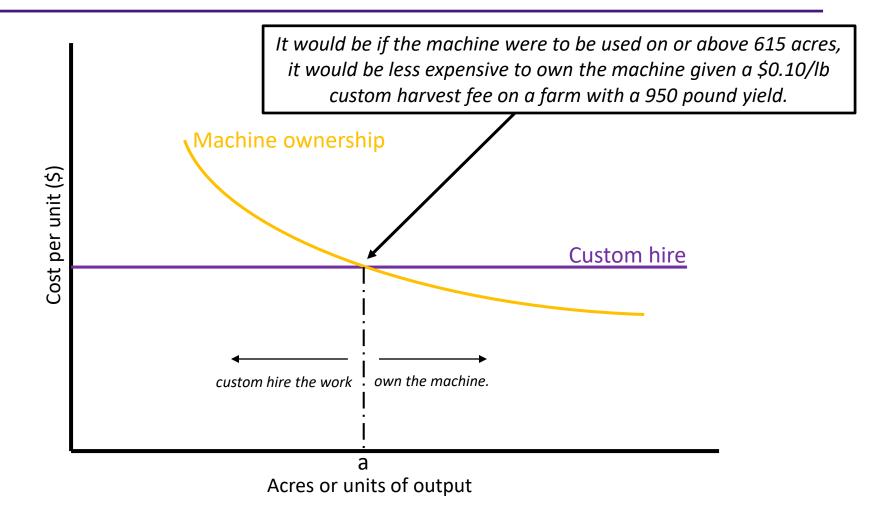
Calculating the machinery investment for a round bale picker





Machinery Management Considerations

Calculating the machinery investment for a round bale picker





Cotton Harvest Systems

Cost of operations and ownership of specialized equipment

Unit Item	Price	CRF \$/ac	Fuel \$/ac	Repair \$/ac	Labor \$/ac	Total \$/ac				
JD 7660 Basket Picker (\$74.15)										
Basket Picker	\$450,000	\$30.13	\$6.07	\$6.66	\$3.69	\$46.55				
Boll Buggy	\$26,200	\$1.75		\$0.78		\$2.53				
Tractor	\$127,500	\$4.11	\$3.61	\$0.98	\$1.42	\$10.13				
Mod. Builder	\$35,000	\$2.34		\$1.04		\$3.38				
Tractor	\$127,500	\$4.11	\$3.63	\$0.98	\$2.84	\$11.56				
JD 7760 Round Bale Picker (\$60.65)										
Round Picker	767,000	\$36.78	\$6.18	\$8.13	\$1.78	\$52.88				
Tractor Hauler	127,500	\$2.94	\$2.60	\$0.70	\$1.53	\$7.77				

Diesel fuel priced at \$2.50/gallon; interest rate at 6%; basket picker priced at \$450,000; bale picker priced at \$767,000; operator labor set at \$15.30/hour



Cotton Acres

How can risk be mitigated on these planted acres?

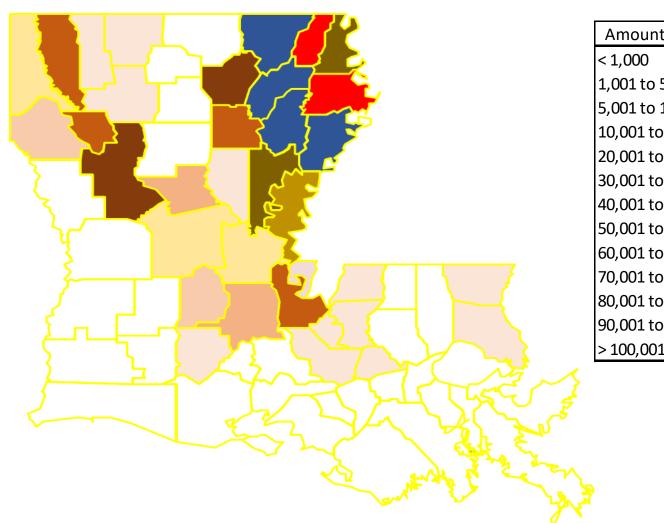
- CTAP; CGCS; and MAL
 - The CTAP (2014) and CGCS (2015 and 2016) programs were similar to the direct payments of the previous farm bill
 - MAL available for duration of the farm bill with rate between \$0.45-\$0.52 per pound
- Seed Cotton ARC-CO/PLC
 - 2018 via the BBA of 2018 and subsequent crop year per the new Farm Bill
 - Generic base, reallocated generic base, and unassigned base acres...
- Crop Insurance options
 - Traditional Revenue Protection and Yield Protection policies for the 2018 CY
 - 1,606 RP policies on 141,670 acres
 - 1,277 YP and CAT policies on 45,683 acres
 - STAX
 - Both STAX and SCO insurance programs consider area-wide yield and/or revenue performance in calculating an indemnity payment (when applicable)
 - Number of STAX insurance companion policies sold
 - 2015 CY = 232 policies on 45,401 acres
 - 2016 CY = 261 policies on 50,322 acres
 - 2017 CY = 306 policies on 84,619 acres
 - 2018 CY = 359 policies on 85,593 acre

Base Contract: ICE December Cotton 2019 (CTZ19)									
	Projected Price	Price Volatility	Harvest Price						
	\$0.74 per Pound	0.14	Not Yet Available						
Status	In Discovery	In Discovery	Yet To Start						
Start Date	1/15/2019	1/15/2019	N/A						
End Date	2/14/2019	2/14/2019	N/A						



Generic Base Acres by Parish

USDA FSA (2015)

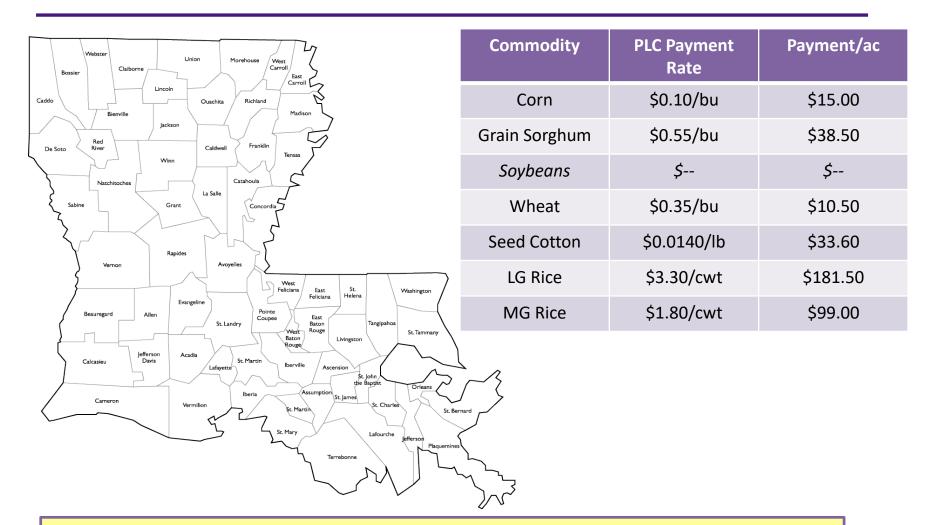


Base Acres



2018 CY Payment Projections for PLC

National MYA prices obtained from USDA in December 2018





Seed Cotton PLC Payment Estimator Guide

2018 crop year decision aid from the LSU AgCenter

Reference Price (\$/lb)	\$0.367
Lint Program Yield (lbs)	1000.0
Seed Cotton Program Yield (lbs)	2400
Seed Cotton Price Floor (\$/lb)	\$0.250

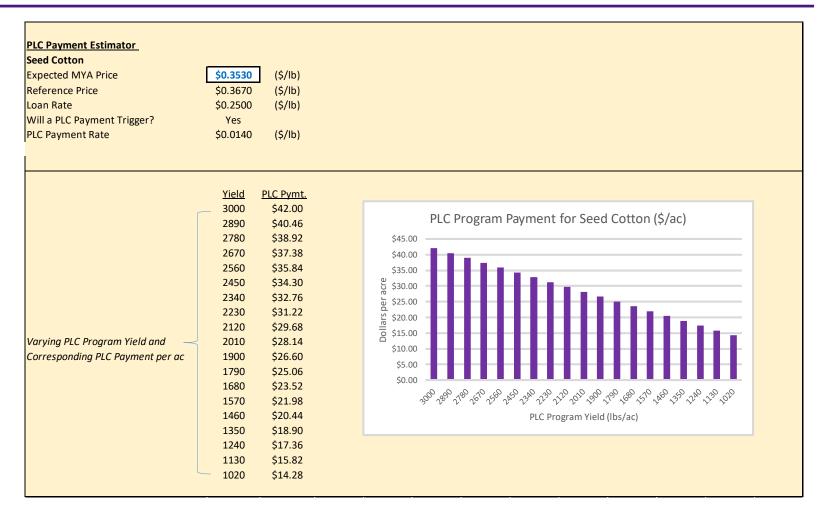
Producer's Specified Estimates of Marketing Year Production of Lint and Cottonseed										
Total U.S. Lint Production (lbs) 9800000000 Weighted Lint Coeff. 0.429825 "Effective Price for Seed Cotton Calculation (lbs) 98000000000										
Total U.S. Seed Production (lbs	1300000000	Weighted Seed Coeff.	0.570175	"Effective Price for Seed Cotton Calculation"						

Example PLC Payment for Seed Cotton per base acre (subject to lint and seed production levels)																			
	Cottonseed Price (\$/ton)																		
Lint Price (\$/lb)	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
\$0.52	\$222.93	\$217.12	\$211.30	\$205.49	\$199.67	\$193.85	\$188.04	\$182.22	\$176.41	\$170.59	\$164.77	\$158.96	\$153.14	\$147.33	\$141.51	\$135.70	\$129.88	\$124.06	\$118.25
\$0.53	\$214.16	\$208.35	\$202.53	\$196.72	\$190.90	\$185.09	\$179.27	\$173.45	\$167.64	\$161.82	\$156.01	\$150.19	\$144.37	\$138.56	\$132.74	\$126.93	\$121.11	\$115.30	\$109.48
\$0.54	\$205.40	\$199.58	\$193.76	\$187.95	\$182.13	\$176.32	\$170.50	\$164.69	\$158.87	\$153.05	\$147.24	\$141.42	\$135.61	\$129.79	\$123.97	\$118.16	\$112.34	\$106.53	\$100.71
\$0.55	\$196.63	\$190.81	\$185.00	\$179.18	\$173.36	\$167.55	\$161.73	\$155.92	\$150.10	\$144.29	\$138.47	\$132.65	\$126.84	\$121.02	\$115.21	\$109.39	\$103.57	\$97.76	\$91.94
\$0.56	\$187.86	\$182.04	\$176.23	\$170.41	\$164.60	\$158.78	\$152.96	\$147.15	\$141.33	\$135.52	\$129.70	\$123.89	\$118.07	\$112.25	\$106.44	\$100.62	\$94.81	\$88.99	\$83.17
\$0.57	\$179.09	\$173.27	\$167.46	\$161.64	\$155.83	\$150.01	\$144.20	\$138.38	\$132.56	\$126.75	\$120.93	\$115.12	\$109.30	\$103.49	\$97.67	\$91.85	\$86.04	\$80.22	\$74.41
\$0.58	\$170.32	\$164.51	\$158.69	\$152.87	\$147.06	\$141.24	\$135.43	\$129.61	\$123.80	\$117.98	\$112.16	\$106.35	\$100.53	\$94.72	\$88.90	\$83.09	\$77.27	\$71.45	\$65.64
\$0.59	\$161.55	\$155.74	\$149.92	\$144.11	\$138.29	\$132.47	\$126.66	\$120.84	\$115.03	\$109.21	\$103.40	\$97.58	\$91.76	\$85.95	\$80.13	\$74.32	\$68.50	\$62.69	\$56.87
\$0.60	\$152.79	\$146.97	\$141.15	\$135.34	\$129.52	\$123.71	\$117.89	\$112.07	\$106.26	\$100.44	\$94.63	\$88.81	\$83.00	\$77.18	\$71.36	\$65.55	\$59.73	\$53.92	\$48.10
\$0.61	\$144.02	\$138.20	\$132.39	\$126.57	\$120.75	\$114.94	\$109.12	\$103.31	\$97.49	\$91.67	\$85.86	\$80.04	\$74.23	\$68.41	\$62.60	\$56.78	\$50.96	\$45.15	\$39.33
\$0.62	\$135.25	\$129.43	\$123.62	\$117.80	\$111.99	\$106.17	\$100.35	\$94.54	\$88.72	\$82.91	\$77.09	\$71.27	\$65.46	\$59.64	\$53.83	\$48.01	\$42.20	\$36.38	\$30.56
\$0.63	\$126.48	\$120.66	\$114.85	\$109.03	\$103.22	\$97.40	\$91.59	\$85.77	\$79.95	\$74.14	\$68.32	\$62.51	\$56.69	\$50.87	\$45.06	\$39.24	\$33.43	\$27.61	\$21.80
\$0.64	\$117.71	\$111.90	\$106.08	\$100.26	\$94.45	\$88.63	\$82.82	\$77.00	\$71.19	\$65.37	\$59.55	\$53.74	\$47.92	\$42.11	\$36.29	\$30.47	\$24.66	\$18.84	\$13.03
\$0.65	\$108.94	\$103.13	\$97.31	\$91.50	\$85.68	\$79.86	\$74.05	\$68.23	\$62.42	\$56.60	\$50.79	\$44.97	\$39.15	\$33.34	\$27.52	\$21.71	\$15.89	\$10.07	\$4.26
\$0.66	\$100.17	\$94.36	\$88.54	\$82.73	\$76.91	\$71.10	\$65.28	\$59.46	\$53.65	\$47.83	\$42.02	\$36.20	\$30.39	\$24.57	\$18.75	\$12.94	\$7.12	\$1.31	\$0.00
\$0.67	\$91.41	\$85.59	\$79.77	\$73.96	\$68.14	\$62.33	\$56.51	\$50.70	\$44.88	\$39.06	\$33.25	\$27.43	\$21.62	\$15.80	\$9.99	\$4.17	\$0.00	\$0.00	\$0.00
\$0.68	\$82.64	\$76.82	\$71.01	\$65.19	\$59.37	\$53.56	\$47.74	\$41.93	\$36.11	\$30.30	\$24.48	\$18.66	\$12.85	\$7.03	\$1.22	\$0.00	\$0.00	\$0.00	\$0.00
\$0.69	\$73.87	\$68.05	\$62.24	\$56.42	\$50.61	\$44.79	\$38.97	\$33.16	\$27.34	\$21.53	\$15.71	\$9.90	\$4.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.70	\$65.10	\$59.29	\$53.47	\$47.65	\$41.84	\$36.02	\$30.21	\$24.39	\$18.57	\$12.76	\$6.94	\$1.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.71	\$56.33	\$50.52	\$44.70	\$38.89	\$33.07	\$27.25	\$21.44	\$15.62	\$9.81	\$3.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.72	\$47.56	\$41.75	\$35.93	\$30.12	\$24.30	\$18.49	\$12.67	\$6.85	\$1.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.73	\$38.80	\$32.98	\$27.16	\$21.35	\$15.53	\$9.72	\$3.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.74	\$30.03	\$24.21	\$18.40	\$12.58	\$6.76	\$0.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.75	\$21.26	\$15.44	\$9.63	\$3.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.76	\$12.49	\$6.67	\$0.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.77	\$3.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00



Seed Cotton Program – PLC

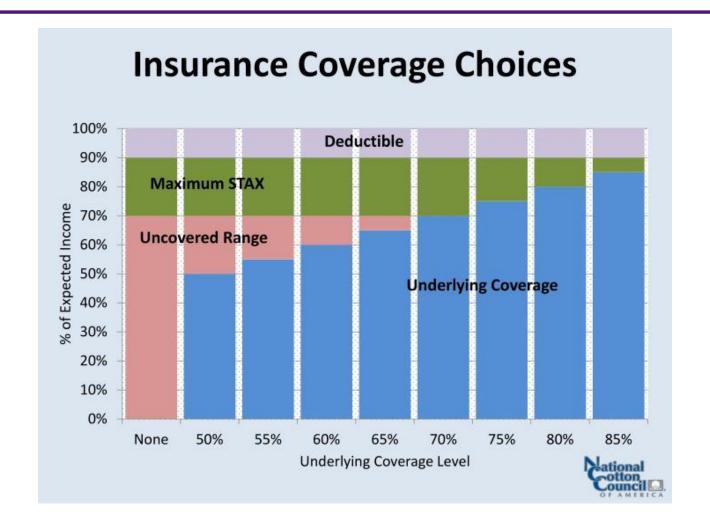
Program payment projections as of December 2018





Stacked Income Protection Plan (STAX)

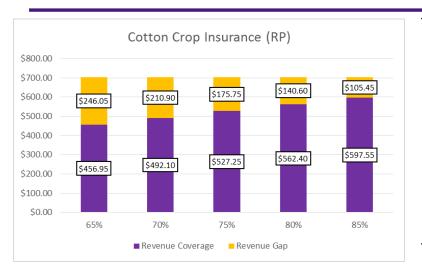
Coverage range illustration



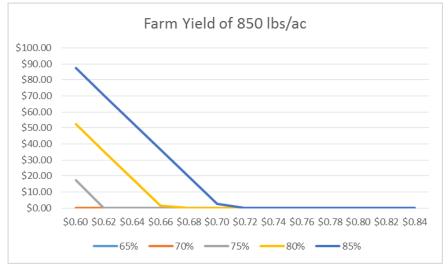


Revenue Protection (RP) Crop Insurance

Coverage range illustration to determine indemnity trigger price for policy



Cotton					
Projected Price	\$0.74	\$0.74	\$0.74	\$0.74	\$0.74
Farm APH	950	950	950	950	950
Revenue Level	\$703.00	\$703.00	\$703.00	\$703.00	\$703.00
Coverage Level	65%	70%	75%	80%	85%
Revenue Coverage	\$456.95	\$492.10	\$527.25	\$562.40	\$597.55
Revenue Gap	\$246.05	\$210.90	\$175.75	\$140.60	\$105.45
Actual Yield	850	850	850	850	850
Price to Trigger	\$0.54	\$0.58	\$0.62	\$0.66	\$0.70
Harvest Price	\$0.72	\$0.72	\$0.72	\$0.72	\$0.72
Yield to Trigger	634.7	683.5	732.3	781.1	829.9





Farm Bill Program and Policy Research

ARC-CO/PLC estimators, economic market reports, and policy newsletters



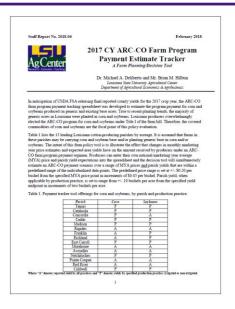
There are multiple factors to consider when deciding whether to purchase a crop insurance policy or not There was unsimple factors to consider when decoding whether to preclaim a roup assume princy or set. The control metal to the price of metal experts and the control of th financial position of the operation is a key factor to consider. Different types of crop insurance policies have different unit structures. The unit structure impacts the size of the premium a producer pays for a specific level of coverage

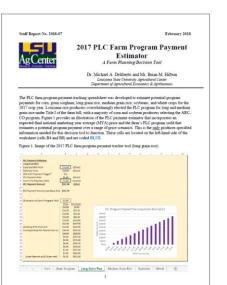
CROP	PROJECTED	DISCOVERY	PRICE	CONTRACT
CORN	\$3.82	1/15/18-2/14/18	0.14	CBOT SEPT 2018
COTTON	\$0.75	1/15/18-2/14/18	0.14	ICE DEC 2018
SORGHUM	\$3.78	1/15/18-2/14/18	0.14	CBOT SEPT 2018
RICE (LG)	50.119	1/15/18-2/14/18	0.11	CBOT SEPT 2018
SOYBEANS	\$10.04	1/15/18-2/14/18	0.13	CBOT NOV 2018

The insurance harvest prices will be announced by USDA RMA at a later date, specific to the contacts the minimum natively prices with the annucleus by UNION EACH, at a sater saw, specials to the contents listed in Table 1. The harvest price discovery period for combegins on August 1°, likewise for long gas (LG) rice. For gasin toughtum, the harvest price discovery period begins on September 1°. For soybeam and cotton, the harvest price discovery period begins October 1°.

When making a crop insurance purchase decision, several factors should be considered. Inform presented in Table 2 presents a basic overview of the revenue protection policy structure for corn. Buy-up coverage varies between 65% to 85% for a farm with an APH of 175 bushels. A graphic illustration of the amount of revenue (per acre) protected via a revenue protection insurance is shown in Figure 1.

Also included in Table 2 is a "what if analyziz" that models the actual instained yield at harvest and the projected instrumce harvest price. These parameters are held constant for each coverage level.







Agricultural Policy and Market Situation Newsletter

The 2015 farm bill represents an evolution of farm commodity pol

House and Senate Part Farm Bills:

On in second strange, the Billson of Bills

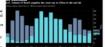
soybean outlook; domestic market outlook; seed cotton pro-gram update; and more!

Trade Tensions: The rhetoric becomes reality

Soybean fintures tumbled late June, early July 2018 to near-decade lows as trade anxiety weighs on the market. November soybean fu ces dropped to \$5.61 in midday trading July 5th. Producers are no doubt concerned about the intermediate and long term effects the imposition of tariff imposed both by the U.S. and China. Given the downtum in the futures market, evaluating just how much of that effect is due colely to trade uncertainty with China is hard to tell. Some market analysis would attribute this decrease in soybean futures to ample carry-over stocks, large soybean

plantings, and the potential of accelerated cosp development. Such marker fundamentals of carry-out cospied with the possibility of reduced exports could lead to domestic stocks being built in the 2018-19 marketing year. The U.S. instances in an of classes present man whom to expect on support on a standardist in a result of the antilement property third product in supports. Chair is supported. The product of the support of the suppo

On July θ^{0} , the U.S. improved 534 billion truffs on Chinese imports. Chinese efficials indicated that they will place tentific on U.S. good manifolds the partial. Polycymiates: in Wikington as bounding the boundary of the Composition to administe and its features should be pin assignitively unjected by Chinese stroffs. Nothing to set in stone at this time as there would be a large legislative effort needed.













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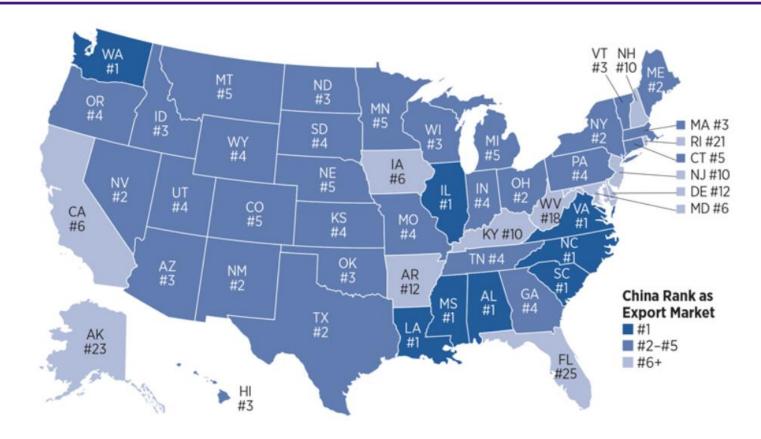
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The Importance of China to State Ag Exports

How China ranks as an agricultural export market, by state



SOURCE: U.S. Department of Agriculture, Foreign Agricultural Service, "Global Agricultural Trade System," https://apps.fas.usda.gov/gats/default.aspx (accessed August 8, 2018).

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