(Lecture notes for the Week 3 Second Session, Wednesday, 2/26/14)

Introductory Pricing/Marketing Workshop for Grains, On-Line

Sponsored by MSUE and Michigan CORN

Review

Where we are on Pricing Decision Chart, Store Cash, Buy Put and Sell Cash, Buy Call

What we have calculated below worksheet

MINIMUM PRICE

Using Put Option

Basis Open

Continue with

Two Option Pricing Tools, above and below worksheet

MINIMUM PRICE

Using Call Option

Basis set

New

Worksheet for all Pricing Alternatives (Tools) discussed.

Pricing Decision Chart for Cash Product Sellers ACTION 1. Basis Contract 1. Store Cash 2. Sell Cash, Buy Futures 2. Delayed Pricing 3. Sell Cash, Buy Call 3. Store Cash, Buy Put . 4. Forward Contract, Buy Call 4. Minimum Price Hedge-to-Arrive Futures-Up 5. Minimum Price Contract Future Futures 品 Cash Cash Time Time Basis (Now Later Expected Basis-Strengthening Basis-Weakening Change for You like the basis now, so you'll CALL it Futures and / You like the basis long-term (later), so you better PUT a ring on it Basis ACTION ACTION 3. Store Cash, Buy Put rout 1 - Lev Futures
4. Minimum Price Hedge-to-Arrive Sell Cash 2. Forward Contract Sell Cash, Buy Call
 Forward Contract, Buy Call 5. Minimum Price Contract Futures-Down Future Price Cash Time Time Futures: (Now) Later Futures: (Now Later

Basis: Now Later

Basts: Now Later

July 2014 Corn Futures and Options February 24, 2014

July 2014 Corn Futures \$4.6225 (4.62 1/4)

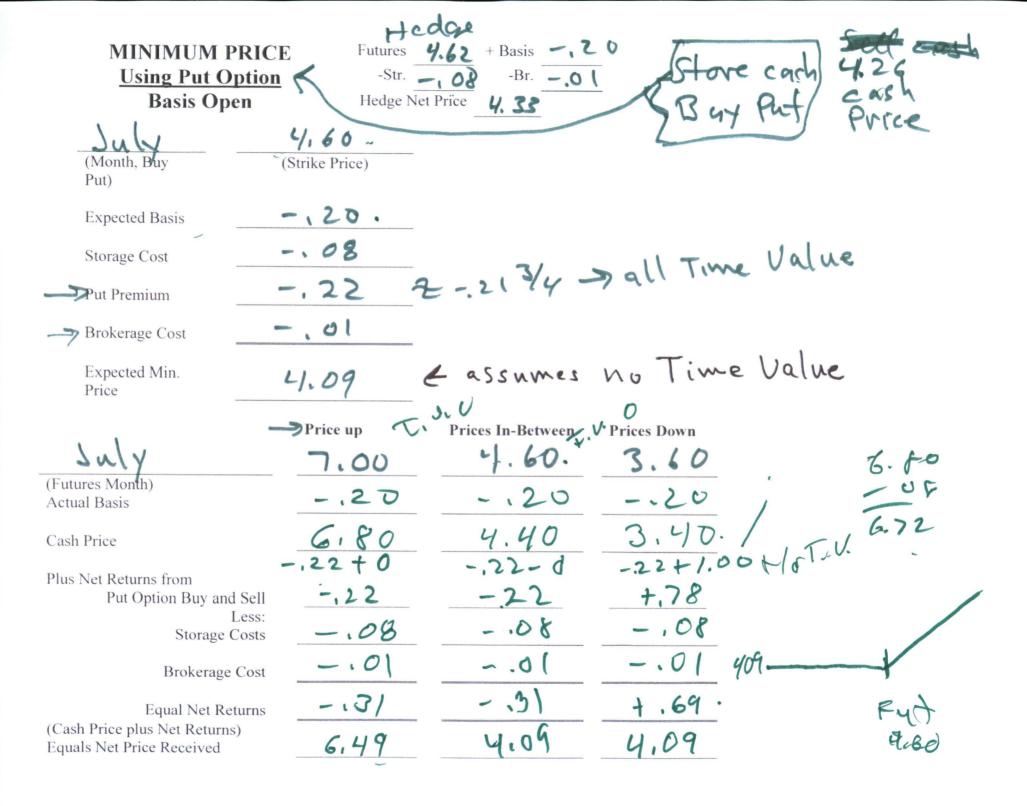
Cash Price 44. 26 Forward

July 2014 Corn Option Premiums

0	intract Delivery	June
	Delivery	44.37

	<u>Calls</u>	<u>Strike</u>	<u>Puts</u>
		Prices	
	.57'1	4.10	.05′0
	.49'1	4.20	.07′0
	.41′7	4.30	.09'6
	.35'1	4.40	.13′0
	.29'2	4.50	.17′0
(.24)	.24'0	4.60	.21'6 (.21 ¾)
(.19 ½)	.19'4	4.70	.27'2 (.27 1/4)
	.15'6	4.80	.33′4
	.12′5	4.90	.40'2
	.10'1	5.00	.47′6
	.08'1	5.10	.55'6

MINIMUM PRICE <u>Using Put Optio</u> Basis Open	Futures <u>n</u> -Str.	- 08 + Basis 3 - 08 - Br 0 Net Price 4. 33	
Luly	4.60		L'IVICE
(Month, Buy Put)	(Strike Price)		
Expected Basis	-,20	_	
Storage Cost	08	- 3/	- 11 Time Value
Put Premium	-, 22	221 44 -	> all Time Value
-> Brokerage Cost	-,01	_	
Expected Min. Price	41.09	¿ assumes	no Time Value
	Price up	Prices In-Between	Prices Down
July	7.00	4.60	3.60
(Futures Month) Actual Basis			
Cash Price			
Plus Net Returns from			
Put Option Buy and Sell			
Less: Storage Costs		<u> </u>	
Brokerage Cost			
Equal Net Returns			
(Cash Price plus Net Returns) Equals Net Price Received			



Pricing Decision Chart for Cash Product Sellers ACTION 1. Basis Contract 1. Store Cash 2. Sell Cash, Buy Futures 2. Delayed Pricing 3. Sell Cash, Buy Call 3. Store Cash, Buy Put . 4. Forward Contract, Buy Call 4. Minimum Price Hedge-to-Arrive Futures-Up 5. Minimum Price Contract Future Futures 品 Cash Cash Time Time Basis (Now Later Expected Basis-Strengthening Basis-Weakening Change for You like the basis now, so you'll CALL it Futures and / You like the basis long-term (later), so you better PUT a ring on it Basis ACTION ACTION 3. Store Cash, Buy Put rout 1 - Lev Futures
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Basis: Now Later

Basts: Now Later

July 2014 Corn Futures and Options February 24, 2014

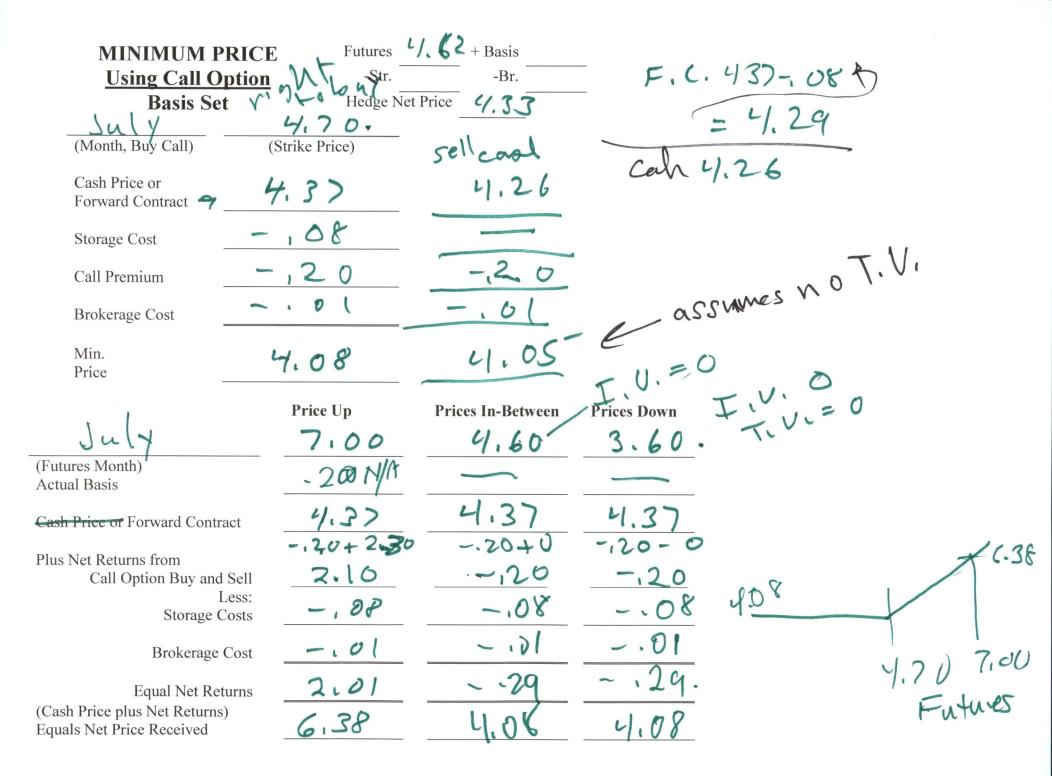
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	.57'1	4.10	.05′0
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	.08'1	5.10	.55'6

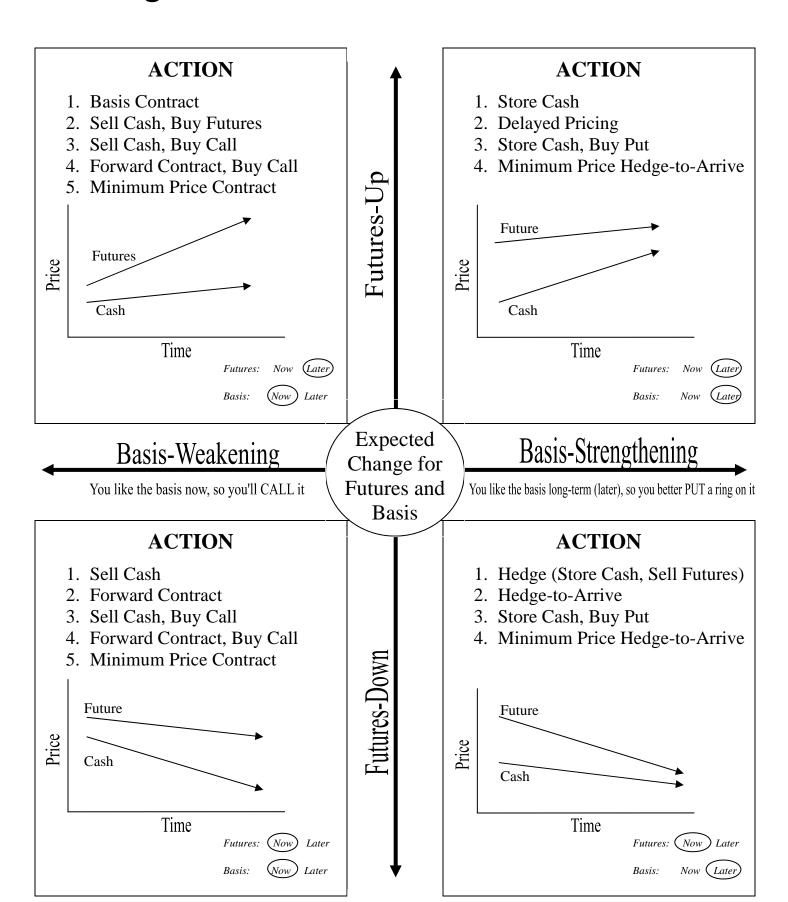


MINIMUM PRICE Using Call Option Basis Set

Futures	+ Basis	
-Str.	-Br.	
Hedge Net Price		

			
(Month, Buy Call)	(Strike Price)	_	
Cash Price or Forward Contract			
Storage Cost			
Call Premium		_	
Brokerage Cost		=	
Min. Price		_	
	Price Up	Prices In-Between	Prices Down
(Futures Month)		_	
Actual Basis		_	
Cash Price or Forward Contract		_	
Plus Net Returns from Call Option Buy and Sell			
Less:			
Storage Costs			
Brokerage Cost			
Equal Net Returns			
(Cash Price plus Net Returns) Fauls Net Price Received			

Pricing Decision Chart for Cash Product Sellers



July 2014 Corn Futures and Options February 24, 2014

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Cash Price 44. 26 Forward

July 2014 Corn Option Premiums

0	intract Delivery	June
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	.10'1	5.00	.47′6
	.08'1	5.10	.55'6

Forward Pricing Alternatives for _____

_(crop) in Storage

Date	Cash Marke	t	Hedge/Hedge-to-	Arrive	Put Options (N	Minimum Price H	HTA)	Call Options	(Minimum P	Price)
	Current Price Forward Contract Price	1.	(Futures Month)	(Sell)	(Futures Month) Strike Price			(Futures Month) Strike Price		
	for(Date) Less Storage Costs		Less: Expected Basis		Less: Expected Basis			Cash Sale Forward Contract		
	Equals Net Price From Forward Contract	2.	Storage Costs Brokerage Costs		Storage Costs Brokerage Costs			Less: Storage Costs		
	Net Government Loan Rate Basis Contract Relative	3.			Option Premium			Brokerage Costs Option Premium		
	(Date) Expected Cash Price for		Equals Net Price Expected from Hedge		Equals Minimum Selling Price Expected			Equals Minimum Selling Price Expected		
	Optimistic Average Pessimistic									
	Cash Price Less Storage Costs		(Futures Month)	(Buy)	(Futures Month)			(Futures Month)		
	Equals Net Price from Cash Sale Net Price from Basis Contract = Futures	5.	Actual Basis		Option Premium Intrinsic Value	(Sell)	(Sell)	Option Premium Intrinsic Value	(Sell)	(Sell)
Cash	Price on(Date)				Time Value Cash Price			Time Value Cash Sale/Forward Contract Price		
Less	Sell and Buy Futures age Costs				Plus Buy and Sell Options Less: Storage Costs			Plus Buy and Sell Options Less: Storage Costs		
Brok	terage Costs				Brokerage Costs			Brokerage Costs		
Equals	Net Returns				Equals Net Returns			Equals Net Returns		
Equals	Net Price Received			6.	Equals Net Price Received	7.		Equals Net Price Received	9.	10.

	Forwa	ard Pricing Alternatives for	<u> </u>	(crop) in	Storage	
Date	Cash Market	Hedge/Hedge-to-Arrive	Put Options (Minimum Price HTA)	Call Options	(Minimum Price)
424	Current Price 1. 4.2.6	1 1 1	62 July	store cash, by	(Futures Month)	
1	Forward Contract Price for 437	(56)	Strike Price	4.40 4.61	Strike Price	4.70 4.70
14	(Date)	Less:	Less:		Cash Sale	4.26
	Less Storage Costs	Expected Basis	Expected Basis	-,20-,20	Forward Contract	4.37
	Equals Net Price From Forward Contract 2.4.29		Storage Costs	-108-08	Less: Storage Costs	- , OF
	Net Government Loan	Brokerage Costs		1323	Brokerage Costs	0101
	Rate 3. Basis Contract Relative	J	Option Premium	17,0	Option Premium	-,20 -,20
	to Coate Charter 136	Equals Net Price	Equals Minimum	290 LI 66	Equals Minimum	ted over 1 to 2
1	Expected Cash Price tor	Expected from Hedge	Selling Price Expected	3.98 4.09	Selling Price Expected	4.05 4.08
	Optimistic Average		•			+lacu
\	Pessimistic		int comes	Prices V 1	Pasis St	roman Exp
4	Cash Price 3.85 Less Storage Costs - 0P	(Futures Month) (Buy	op July		(Futures Month)	. ,
115/	Equals Net Price from Cash Sale	Actual Basis	Option Premium	.41 .61	Option Premium	.01 .01
10/	Net Price from Basis		Intrinsic Value	(Sell) (Sell) (Sell)	Intrinsic Value	(Sell) (Sell)
1	Contract = Futures today+ Basis Contract 5. 7. 64		Time Value	.01 .6]	Time Value	.01
Cash	Price on June 15	_3.6	Cash Price	P.RS 3.85	Cash Sale/Forward Contract Price	4.26 437.
Plus	Sell and Buy Futures 4.6 R	+,62	Plus Buy and Sell Options	+.28 ,39	Plus Buy and Sell Options	-119 -119
	: rage Costs	OP	Less: Storage Costs	-10+ -08	Less: Storage Costs	08
Brok	kerage Costs	-101	Brokerage Costs	-101 -01	Brokerage Costs	0101
Equals	Net Returns	+,5	Equals Net Returns	+119 .30	Equals Net Returns	2028
Equals	Net Price Received	6.4.3	Equals Net Price Received	7. 4.04 8. 4. 15	Equals Net Price Received	9.4.06 10.4.09
		4.33+.05 = 4.31	3.9th	1.1 Coil 20	5	

Date	Cash Market		ricing Alternativ Hedge/Hedge To Ari		Corn Put Options (Mini	(crop) in Sto	•	Call Options (Mi	nimum Brica)	
Date	Current Price	4,26	July	4.62	July	4.40	4.60	July	4.70	4.70
2/24/2013	Forward Contract Price for:		Futures Month Less:	Sell	Futures Month	Strike Price	Strike Price	Futures Month Cash Sale		Strike Price
	June 15, 2014	<u>4.37</u>	Expected Basis	<u>-0.20</u>	Expected Basis	<u>-0.20</u>	<u>-0.20</u>	Forward Contract		<u>4.37</u>
	Less Storage Costs Net Price From	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	<u>-0.08</u>	Storage Costs	N/A	<u>-0.08</u>
	Forward Contract	4.29	Brokerage Costs	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>
	Basis Contract Relative to:	•	Equals Net Price		Options Premium Equals Minimum	<u>-0.13</u>	<u>-0.22</u>	Options Premium	<u>-0.20</u>	<u>-0.20</u>
	July	-0.36	Expected From		Selling Price			Equals Minimum		
			Hedge	4.33	Expected	3.98	4.09	Selling Price	4.05	4.08
					OUTCOMES	Prices down, B	asis Stronger (than expected		
6/15/2014	Cash Price	<u>3.85</u>	July	<u>4.00</u>	July			July		
	Less Storage Costs Equals Net Price	<u>-0.08</u>	Futures Month Actual Basis	-0.15	Futures Month Options Premium	0.41	0.61	Futures Month Options Premium	0.01	0.01
	From Cash Sale	3.77			Intrinsic Value	0.40	0.60	Intrinsic Value	0.00	0.00
	Net Price From	57			Time Value		0.01	Time Value		0.01
	Basis Contract	3.64						Cash Sale/		
	Cash Price On	06/15/14		<u>3.85</u>		<u>3.85</u>	<u>3.85</u>	Forward Contract	<u>4.26</u>	<u>4.37</u>
					Plus Buy and			Plus Buy and		
	Sell and Buy Futures Less:		0.62		Sell Options	0.28	0.39	Sell Options	<u>-0.19</u>	<u>-0.19</u>
	Storeage Costs		<u>-0.08</u>		Storeage Costs	<u>-0.08</u>	<u>-0.08</u>	Storeage Costs	N/A	-0.08
	Brokerage Costs		<u>-0.01</u>		Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>	Brokerage Costs	-0.01	-0.01
	Equals Net Return			0.53	Equals Net Return	0.19	0.30	Equals Net Return	<u>-0.20</u>	<u>-0.28</u>
	Equals Net Price Receiv	red		4.38		4.04	4.15		4.06	4.09

Date	Cash Market	Forward Pricing Alternatives for Hedge/Hedge To Arrive				Gs () Put Options (Mini		all Options (Minimum Price)			
7397.472.563	Current Price Forward Contract Price for:	<u>4</u>		Futures Month	<u>4.62</u> Sell	Futures Month	4.40 Strike Price	Strike Price	Futures Month Cash Sale	TO SECURE AND A SECURE	4.70 Strike Price
	ATEMICAN SELECTOR	<u>4</u>	. <u>37</u>	Expected Basis	<u>-0.20</u>	Expected Basis	<u>-0.20</u>	<u>-0.20</u>	Forward Contract		<u>4.37</u>
	Less Storage Costs Net Price From	<u>-0</u>	<u>80.</u>	Storage Costs	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	<u>-0.08</u>	Storage Costs	N/A	<u>-0.08</u>
	Forward Contract		5.5	Brokerage Costs	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>
	Basis Contract Relative to:		E	quals Net Price		Options Premium Equals Minimum	. <u>-0.13</u>	- <u>-0.22</u>	Options Premium	<u>-0.20</u>	<u>-0.20</u>
	Relative to.	- 0).36	Expected From		Selling Price			Equals Minimum Selling Pric	e 53 2	(1.64 - 1.7 4 - 1.74
ı	·	ı				OUTCOMES Prices U	Jp, Basis a bit v	veak	1		
Cash Price Less Storag	e Costs		utures	Month)	(Buy)	(Futures Month)			(Futures Mo	onth)	
Equals Net Cash Sale	Price from 4.	Α	ctual	Basis		Option Premium	(Sell) (Se	Option Pr	remium	(Sell)
Net Price fr Contract = I	Futures					Intrinsic Value			Intrinsic \	Value _	
today+ Basi	is Contract 5.					Time Value			Time Val	ue _	
ash Price on	(Date)					Cash Price			Cash Sale		
us Sell and Buy F	utures	_			_	Plus Buy and Sell Options			Plus Buy a Options	and Sell	
ess: Storage Costs		_			-	Less: Storage Costs			Less: Storage	: Costs	
rokerage Costs					M	Brokerage Cos				age Costs _	
als Net Returns				a .		Equals Net Return	as		Equals Ne		
als Net Price Rece	eived				6.	Equals Net Price Recei	ved 7.	8.	Equals Net Pr	rice Received	9. 10.

Date	Cash Market	Forward Pricing Alternatives for Hedge/Hedge To Arrive			Corn Put Options (Mini	(crop) in Sto	Call Ontions (Mir	Call Options (Minimum Price)				
Dute	Current Price	4.26	July	4.62	July	4.40	4.60	July	4.70	4.70		
2/24/2013	Forward Contract Price for:		Futures Month	Sell	Futures Month	Strike Price	Strike Price	Futures Month Cash Sale		Strike Price		
	June 15, 2014	<u>4.37</u>	Expected Basis	<u>-0.20</u>	Expected Basis	<u>-0.20</u>		Forward Contract	4.20	<u>4.37</u>		
	Less Storage Costs Net Price From	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	<u>-0.08</u>	Storage Costs	N/A	<u>-0.08</u>		
	Forward Contract	4.29	Brokerage Costs	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>		
	Basis Contract Relative to:	E	Equals Net Price		Options Premium Equals Minimum	<u>-0.13</u>	<u>-0.22</u>	Options Premium	<u>-0.20</u>	<u>-0.20</u>		
	July	-0.36	Expected From Hedge	4.33	Selling Price Expected		4.09	Equals Minimum Selling Price	4.05	4.08		
					OUTCOMES Prices U	Jp, Basis a bit w	reak					
6/15/2014	Cash Price	<u>6.75</u>	July	<u>7.00</u>	July			July				
	Less Storage Costs Equals Net Price	<u>-0.08</u>	Futures Month Actual Basis	-0.25	Futures Month Options Premium	0.01	0.01	Futures Month Options Premium	2.31	2.31		
	From Cash Sale	6.67			Intrinsic Value	0.00	0.00	Intrinsic Value	2.30	2.30		
	Net Price From Basis Contract	6.64			Time Value	0.01	0.01	Time Value	0.01	0.01		
	Busis Contract	0.01						Cash Sale/				
	Cash Price On	06/15/14		<u>6.75</u>		<u>6.75</u>	<u>6.75</u>	Forward Contract	<u>4.26</u>	<u>4.37</u>		
	Sell and Buy Futures		<u>-2.38</u>		Plus Buy and Sell Options	<u>-0.12</u>	<u>-0.21</u>	Plus Buy and Sell Options	<u>2.11</u>	<u>2.11</u>		
	Less: Storeage Costs Brokerage Costs		<u>-0.08</u> <u>-0.01</u>		Storeage Costs Brokerage Costs		<u>-0.08</u> <u>-0.01</u>	Storeage Costs Brokerage Costs	N/A -0.01	-0.08 -0.01		
	Equals Net Return			<u>-2.47</u>	Equals Net Return	<u>-0.21</u>	<u>-0.30</u>	Equals Net Return	<u>2.10</u>	2.02		
	Equals Net Price Receiv	red		4.28		6.54	6.45		6.36	6.39		

			Se	2	Dre	Viou	Pa	re	ett vinnetti tilliga i svedinska tilliga tilliga tilliga tilliga tilliga tilliga tilliga tilliga tilliga tilli				
and the same	NAME OF THE PERSON OF THE PERS		Forw	rard Pı	ricing Alternati	ves for	HELLOS TO	(crop) in Store	age			The second second	kin.
	ate	Cash Market Current Price	225000000000000000000000000000000000000	ŀ	ledge/Hedge To A	rrive	Put Options (Mini		AND THE PROPERTY OF THE PROPER	l Options (Mini	mum Price) 4 70	4.70	
	ลมุยมีเป็นได้เลือ	Forward Contrac	t		Futures Month	Sell	Futures Month	Strike Price St	SESSION OF THE REAL PROPERTY AND ADDRESS OF THE PERSON OF			Strike Price	
		Price for:		4.37	ess: Expected Basis	- <u>-0.20</u>	Expected Basis	<u>-0.20</u>	-0.20 Forwa		4.26	4.37	
		Less Storage Cos Net Price From	ts	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	Storage Costs	-0.08	<u>-0.08</u> Sto	rage Costs	N/A	-0.08	
		Forward Cont	ract	o es	Brokerage Costs	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u> Brol	erage Costs	<u>-0.01</u>	-0.01	k.
		Basis Contract Relative to	THE RESERVE OF THE PARTY OF THE	-0.36	Equals Net Price Expected Fror		Options Premium Equals Minimum Selling Price	and the Santana Control of the American Control of the	of the state of th	ons Premium	0.20	<u>-0.20</u>	i.
		A PARTY OF THE PARTY OF		-0.30		e	Expected		Resident Control	Selling Price	537. H. L. P. T.		l .
			B= 6	:- I	Z		OUTCOMES Prices		is, Pa	gis we	an E	XP	
95	Cash Price Less Storag	ge Costs	6.75 -108	(Future:	s Month)	7.00 (Buy)	(Futures Month)		(3)	(Futures Mont	h)		
14	Equals Net Cash Sale	Price from	4665	Actua	l Basis	-,25	Option Premiun	(Sell)	-, Ol (Sell)	Option Pres	nium _	2,31 (Sell)	2,3/ (Sell)
	Net Price fi Contract =	Futures	5//4				Intrinsic Value	. 0		Intrinsic Va	llue	1	2,30
	today+ Bas		3.0.0	4.6	2		Time Value	. 61	.01	Time Value		101	.01
Cash	Price on		- 4	7.	00"	6.75	Cash Price	6.75	6.75	Cash Sale/F Contract Pr		41.26	4.3)
Plus S	ell and Buy F	utures			238		Plus Buy and Sell Options	-112	21	Plus Buy and Options	Sell	2.11	2.11
Less: Stora	ge Costs				-,08		Less: Storage Costs	- 108	08	Less: Storage C	osts		.08
Brok	erage Costs				~,Ol		Brokerage Cos	ts	-,01	Brokerage	Costs	-101	.01
Equals N	let Returns					-2.41	Equals Net Return		-130	Equals Net R	eturns 2	-10	202
Equals N	Net Price Rec	eived				6. 428	Equals Net Price Recei	7. 6.5 9	8. 6.45	Equals Net Price	Received 9	636	10.6 39
				D	133-100	4.20							

Forward Pricing Alternatives for _____

_(crop) in Storage

Date	Cash Market		Cash Market Hedge/Hedge-to-Arrive				HTA)	Call Options (Minimum Price)				
	Current Price Forward Contract Price	1.	(Futures Month)	(Sell)	(Futures Month) Strike Price			(Futures Month) Strike Price				
	for(Date) Less Storage Costs		Less: Expected Basis		Less: Expected Basis			Cash Sale Forward Contract				
	Equals Net Price From Forward Contract	2.	Storage Costs Brokerage Costs		Storage Costs Brokerage Costs			Less: Storage Costs				
	Net Government Loan Rate Basis Contract Relative	3.			Option Premium			Brokerage Costs Option Premium				
	(Date) Expected Cash Price for		Equals Net Price Expected from Hedge		Equals Minimum Selling Price Expected			Equals Minimum Selling Price Expected				
	Optimistic Average Pessimistic											
	Cash Price Less Storage Costs		(Futures Month)	(Buy)	(Futures Month)			(Futures Month)				
	Equals Net Price from Cash Sale Net Price from Basis Contract = Futures	5.	Actual Basis		Option Premium Intrinsic Value	(Sell)	(Sell)	Option Premium Intrinsic Value	(Sell)	(Sell)		
Cash	Price on(Date)				Time Value Cash Price			Time Value Cash Sale/Forward Contract Price				
Less	Sell and Buy Futures age Costs				Plus Buy and Sell Options Less: Storage Costs			Plus Buy and Sell Options Less: Storage Costs				
Brok	terage Costs				Brokerage Costs			Brokerage Costs				
Equals	Net Returns				Equals Net Returns			Equals Net Returns				
Equals	Net Price Received			6.	Equals Net Price Received	7. 8		Equals Net Price Received	9.	10.		

July 2014 Corn Futures

Table 1. Probability Futures Price @ Maturity Will Be Less Than Stated Value

Probability	Price
10%	\$3.91
20%	\$4.15
25%	\$4.24
30%	\$4.32
40%	\$4.47
50%	\$4.63
60%	\$4.78
70%	\$4.95
75%	\$5.05
80%	\$5.16
90%	\$5.46

		Forward P	ricing Alternativ	es for	Corn	(crop) in Sto	oreage				
Date	Cash Market	<u> </u>	Hedge/Hedge To Arr	rive	Put Options (Minimum Price HTA)			Call Options (Minimum Price)			
	Current Price	<u>4.26</u>	July	<u>4.62</u>	July	<u>4.40</u>	<u>4.60</u>	July	<u>4.70</u>	4.70	
2/24/2013	Forward Contract		Futures Month	Sell	Futures Month	Strike Price	Strike Price	Futures Month	Strike Price	Strike Price	
	Price for:	L	.ess:					Cash Sale	<u>4.26</u>		
	February 13, 2014	<u>4.37</u>	Expected Basis	<u>-0.20</u>	Expected Basis	<u>-0.20</u>	<u>-0.20</u>	Forward Contract		<u>4.37</u>	
	Less Storage Costs Net Price From	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	Storage Costs	<u>-0.08</u>	<u>-0.08</u>	Storage Costs	N/A	<u>-0.08</u>	
	Forward Contract	4.29	Brokerage Costs	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>	Brokerage Costs	<u>-0.01</u>	<u>-0.01</u>	
	Basis Contract Relative to:		Equals Net Price		Options Premium Equals Minimum	<u>-0.13</u>	<u>-0.22</u>	Options Premium	<u>-0.20</u>	<u>-0.20</u>	
	July	-0.36	Expected From		Selling Price			Equals Minimum			
			Hedge	4.33	Expected	3.98	4.09	Selling Price	4.05	4.08	

OUTCOMES

Pricing Decision Chart for Cash Product Sellers

