

Corn Price Basis*

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa

- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for North Central Iowa (2004-05 through 2008-09) (\$ per bu.)

Month/ Week	December			March			May			July		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
OCT 1	-0.47	-0.33	-0.56	-0.61	-0.44	-0.70	-0.70	-0.51	-0.81	-0.79	-0.60	-0.90
OCT 2	-0.46	-0.35	-0.58	-0.60	-0.46	-0.70	-0.68	-0.53	-0.79	-0.75	-0.60	-0.88
OCT 3	-0.44	-0.35	-0.58	-0.58	-0.46	-0.71	-0.66	-0.53	-0.79	-0.74	-0.60	-0.86
OCT 4	-0.44	-0.35	-0.58	-0.58	-0.51	-0.71	-0.67	-0.59	-0.80	-0.74	-0.64	-0.88
NOV 1	-0.39	-0.31	-0.55	-0.54	-0.47	-0.70	-0.64	-0.55	-0.78	-0.71	-0.61	-0.85
NOV 2	-0.38	-0.31	-0.51	-0.53	-0.47	-0.65	-0.61	-0.54	-0.73	-0.69	-0.60	-0.80
NOV 3	-0.37	-0.30	-0.46	-0.51	-0.46	-0.61	-0.59	-0.53	-0.69	-0.66	-0.55	-0.76
NOV 4	-0.33	-0.29	-0.39	-0.47	-0.46	-0.52	-0.55	-0.49	-0.61	-0.63	-0.50	-0.69
DEC 1	-0.28	-0.23	-0.32	-0.43	-0.40	-0.47	-0.52	-0.49	-0.55	-0.59	-0.54	-0.63
DEC 2	-0.27	-0.22	-0.30	-0.40	-0.38	-0.42	-0.49	-0.46	-0.51	-0.57	-0.54	-0.61
DEC 3				-0.38	-0.36	-0.42	-0.47	-0.46	-0.50	-0.56	-0.54	-0.58
DEC 4				-0.38	-0.35	-0.41	-0.47	-0.45	-0.48	-0.55	-0.53	-0.56
JAN 1				-0.37	-0.34	-0.40	-0.43	-0.28	-0.50	-0.54	-0.49	-0.57
JAN 2				-0.36	-0.34	-0.40	-0.47	-0.42	-0.51	-0.55	-0.50	-0.60
JAN 3				-0.38	-0.32	-0.43	-0.48	-0.39	-0.54	-0.56	-0.46	-0.64
JAN 4				-0.36	-0.30	-0.41	-0.46	-0.38	-0.52	-0.55	-0.45	-0.61
FEB 1				-0.33	-0.27	-0.40	-0.44	-0.37	-0.52	-0.53	-0.44	-0.59
FEB 2				-0.31	-0.21	-0.36	-0.42	-0.34	-0.47	-0.50	-0.43	-0.55
FEB 3				-0.30	-0.20	-0.40	-0.40	-0.29	-0.50	-0.50	-0.39	-0.59
FEB 4				-0.29	-0.19	-0.40	-0.40	-0.28	-0.51	-0.49	-0.37	-0.60
MAR 1				-0.30	-0.23	-0.39	-0.37	-0.25	-0.49	-0.46	-0.34	-0.59
MAR 2				-0.33	-0.30	-0.40	-0.38	-0.23	-0.49	-0.48	-0.34	-0.59
MAR 3							-0.36	-0.25	-0.47	-0.46	-0.35	-0.57
MAR 4							-0.37	-0.24	-0.46	-0.48	-0.34	-0.57
APR 1							-0.36	-0.24	-0.46	-0.47	-0.34	-0.57
APR 2							-0.38	-0.23	-0.54	-0.47	-0.33	-0.57
APR 3							-0.32	-0.12	-0.44	-0.45	-0.31	-0.57
APR 4							-0.32	-0.20	-0.41	-0.43	-0.29	-0.55
MAY 1							-0.35	-0.20	-0.54	-0.42	-0.27	-0.52
MAY 2							-0.31	-0.27	-0.39	-0.41	-0.32	-0.52
MAY 3										-0.42	-0.32	-0.57
MAY 4										-0.42	-0.31	-0.56
JUN 1										-0.40	-0.26	-0.54
JUN 2										-0.40	-0.27	-0.53
JUN 3										-0.41	-0.28	-0.53
JUN 4										-0.40	-0.29	-0.52
JUL 1										-0.42	-0.31	-0.54
JUL 2										-0.42	-0.31	-0.49

*Developed with funds provided by the Agricultural Marketing Resource Center, Iowa State Univer-

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Northeast Iowa (2004-05 through 2008-09) (\$ per bu.).

Month/ Week	Futures contract maturity month											
	December			March			May			July		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
OCT 1	-0.47	-0.29	-0.60	-0.61	-0.40	-0.77	-0.70	-0.47	-0.88	-0.79	-0.56	-0.97
OCT 2	-0.47	-0.34	-0.56	-0.60	-0.45	-0.71	-0.68	-0.52	-0.81	-0.76	-0.59	-0.90
OCT 3	-0.44	-0.30	-0.60	-0.57	-0.46	-0.73	-0.66	-0.54	-0.81	-0.73	-0.61	-0.88
OCT 4	-0.42	-0.33	-0.56	-0.56	-0.49	-0.69	-0.65	-0.59	-0.78	-0.73	-0.64	-0.86
NOV 1	-0.38	-0.33	-0.49	-0.53	-0.50	-0.64	-0.62	-0.58	-0.72	-0.70	-0.64	-0.79
NOV 2	-0.36	-0.32	-0.39	-0.51	-0.49	-0.55	-0.59	-0.57	-0.61	-0.67	-0.63	-0.71
NOV 3	-0.31	-0.28	-0.36	-0.45	-0.39	-0.50	-0.53	-0.46	-0.57	-0.60	-0.53	-0.68
NOV 4	-0.27	-0.22	-0.35	-0.42	-0.34	-0.51	-0.50	-0.42	-0.56	-0.57	-0.49	-0.68
DEC 1	-0.25	-0.20	-0.33	-0.39	-0.33	-0.47	-0.48	-0.41	-0.54	-0.56	-0.48	-0.64
DEC 2	-0.27	-0.22	-0.33	-0.40	-0.33	-0.47	-0.49	-0.41	-0.58	-0.57	-0.48	-0.68
DEC 3				-0.39	-0.31	-0.45	-0.48	-0.38	-0.53	-0.56	-0.46	-0.64
DEC 4				-0.39	-0.30	-0.47	-0.48	-0.38	-0.56	-0.56	-0.45	-0.65
JAN 1				-0.39	-0.25	-0.46	-0.45	-0.33	-0.57	-0.57	-0.40	-0.67
JAN 2				-0.40	-0.25	-0.50	-0.50	-0.33	-0.61	-0.59	-0.41	-0.71
JAN 3				-0.42	-0.24	-0.59	-0.52	-0.31	-0.72	-0.60	-0.38	-0.82
JAN 4				-0.37	-0.24	-0.51	-0.48	-0.32	-0.63	-0.56	-0.39	-0.72
FEB 1				-0.34	-0.24	-0.41	-0.45	-0.32	-0.53	-0.54	-0.39	-0.64
FEB 2				-0.31	-0.23	-0.37	-0.42	-0.31	-0.49	-0.50	-0.38	-0.59
FEB 3				-0.30	-0.21	-0.39	-0.41	-0.29	-0.49	-0.50	-0.37	-0.61
FEB 4				-0.32	-0.21	-0.42	-0.42	-0.30	-0.55	-0.51	-0.37	-0.67
MAR 1				-0.32	-0.26	-0.39	-0.39	-0.27	-0.49	-0.49	-0.36	-0.61
MAR 2				-0.37	-0.26	-0.49	-0.41	-0.24	-0.59	-0.51	-0.35	-0.71
MAR 3							-0.40	-0.31	-0.50	-0.50	-0.41	-0.61
MAR 4							-0.39	-0.29	-0.52	-0.50	-0.37	-0.64
APR 1							-0.40	-0.28	-0.60	-0.51	-0.36	-0.73
APR 2							-0.41	-0.25	-0.71	-0.50	-0.33	-0.74
APR 3							-0.34	-0.17	-0.60	-0.47	-0.31	-0.73
APR 4							-0.32	-0.20	-0.57	-0.43	-0.29	-0.70
MAY 1							-0.35	-0.20	-0.66	-0.42	-0.28	-0.64
MAY 2							-0.28	-0.18	-0.37	-0.42	-0.26	-0.62
MAY 3										-0.45	-0.29	-0.67
MAY 4										-0.46	-0.31	-0.69
JUN 1										-0.43	-0.29	-0.64
JUN 2										-0.44	-0.32	-0.70
JUN 3										-0.47	-0.34	-0.81
JUN 4										-0.45	-0.31	-0.77
JUL 1										-0.43	-0.31	-0.75
JUL 2										-0.39	-0.33	-0.50

Definitions

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- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Northwest Iowa (2004-05 through 2008-09) (\$ per bu.).

Month/ Week	Futures contract maturity month											
	December			March			May			July		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
OCT 1	-0.40	-0.20	-0.56	-0.54	-0.31	-0.69	-0.64	-0.38	-0.77	-0.72	-0.47	-0.84
OCT 2	-0.40	-0.30	-0.58	-0.54	-0.40	-0.70	-0.62	-0.47	-0.78	-0.70	-0.54	-0.85
OCT 3	-0.40	-0.30	-0.56	-0.53	-0.41	-0.69	-0.62	-0.48	-0.77	-0.69	-0.55	-0.84
OCT 4	-0.39	-0.30	-0.55	-0.53	-0.46	-0.68	-0.62	-0.54	-0.77	-0.70	-0.60	-0.85
NOV 1	-0.38	-0.27	-0.54	-0.53	-0.45	-0.69	-0.62	-0.54	-0.77	-0.69	-0.61	-0.84
NOV 2	-0.35	-0.26	-0.49	-0.50	-0.43	-0.63	-0.59	-0.53	-0.71	-0.67	-0.59	-0.78
NOV 3	-0.34	-0.25	-0.44	-0.48	-0.41	-0.59	-0.57	-0.52	-0.67	-0.64	-0.54	-0.74
NOV 4	-0.30	-0.24	-0.38	-0.45	-0.41	-0.51	-0.53	-0.49	-0.60	-0.60	-0.50	-0.67
DEC 1	-0.27	-0.19	-0.33	-0.42	-0.36	-0.48	-0.50	-0.47	-0.56	-0.58	-0.54	-0.64
DEC 2	-0.26	-0.15	-0.33	-0.39	-0.31	-0.44	-0.48	-0.42	-0.52	-0.56	-0.49	-0.60
DEC 3				-0.37	-0.29	-0.42	-0.46	-0.39	-0.50	-0.55	-0.47	-0.59
DEC 4				-0.35	-0.28	-0.41	-0.45	-0.39	-0.48	-0.52	-0.48	-0.56
JAN 1				-0.33	-0.27	-0.38	-0.39	-0.26	-0.48	-0.51	-0.46	-0.55
JAN 2				-0.32	-0.26	-0.38	-0.43	-0.37	-0.49	-0.51	-0.46	-0.58
JAN 3				-0.33	-0.28	-0.40	-0.43	-0.37	-0.50	-0.52	-0.44	-0.56
JAN 4				-0.31	-0.27	-0.38	-0.42	-0.35	-0.49	-0.50	-0.42	-0.55
FEB 1				-0.29	-0.23	-0.37	-0.39	-0.34	-0.49	-0.48	-0.41	-0.56
FEB 2				-0.27	-0.21	-0.34	-0.38	-0.33	-0.46	-0.46	-0.40	-0.52
FEB 3				-0.27	-0.21	-0.36	-0.37	-0.30	-0.46	-0.46	-0.40	-0.55
FEB 4				-0.26	-0.19	-0.36	-0.37	-0.28	-0.47	-0.46	-0.37	-0.56
MAR 1				-0.24	-0.12	-0.37	-0.32	-0.22	-0.47	-0.42	-0.34	-0.57
MAR 2				-0.29	-0.20	-0.37	-0.35	-0.24	-0.46	-0.45	-0.35	-0.56
MAR 3							-0.40	-0.28	-0.52	-0.50	-0.38	-0.63
MAR 4							-0.35	-0.25	-0.46	-0.45	-0.35	-0.57
APR 1							-0.32	-0.25	-0.44	-0.43	-0.35	-0.55
APR 2							-0.33	-0.22	-0.43	-0.42	-0.32	-0.56
APR 3							-0.29	-0.12	-0.42	-0.41	-0.31	-0.53
APR 4							-0.29	-0.20	-0.41	-0.39	-0.29	-0.52
MAY 1							-0.31	-0.21	-0.44	-0.38	-0.28	-0.52
MAY 2							-0.28	-0.21	-0.39	-0.36	-0.30	-0.49
MAY 3										-0.37	-0.25	-0.55
MAY 4										-0.36	-0.22	-0.53
JUN 1										-0.35	-0.15	-0.53
JUN 2										-0.34	-0.14	-0.51
JUN 3										-0.34	-0.15	-0.47
JUN 4										-0.34	-0.14	-0.47
JUL 1										-0.35	-0.15	-0.44
JUL 2										-0.38	-0.16	-0.49

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
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- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for South Central Iowa (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			March			May			July		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
OCT 1	-0.44	-0.32	-0.52	-0.58	-0.43	-0.69	-0.67	-0.50	-0.80	-0.76	-0.59	-0.89
OCT 2	-0.42	-0.33	-0.52	-0.56	-0.43	-0.68	-0.64	-0.50	-0.78	-0.71	-0.57	-0.87
OCT 3	-0.41	-0.32	-0.52	-0.55	-0.45	-0.65	-0.63	-0.52	-0.74	-0.71	-0.58	-0.82
OCT 4	-0.40	-0.27	-0.50	-0.54	-0.43	-0.63	-0.63	-0.54	-0.72	-0.70	-0.63	-0.81
NOV 1	-0.36	-0.25	-0.48	-0.51	-0.43	-0.63	-0.61	-0.55	-0.71	-0.68	-0.59	-0.78
NOV 2	-0.35	-0.23	-0.44	-0.50	-0.40	-0.58	-0.58	-0.51	-0.66	-0.66	-0.60	-0.74
NOV 3	-0.32	-0.24	-0.36	-0.47	-0.40	-0.51	-0.55	-0.51	-0.61	-0.62	-0.55	-0.69
NOV 4	-0.28	-0.21	-0.31	-0.43	-0.38	-0.47	-0.51	-0.49	-0.56	-0.58	-0.51	-0.65
DEC 1	-0.23	-0.19	-0.29	-0.38	-0.35	-0.43	-0.46	-0.43	-0.48	-0.54	-0.50	-0.57
DEC 2	-0.22	-0.18	-0.27	-0.35	-0.32	-0.40	-0.44	-0.40	-0.48	-0.52	-0.47	-0.55
DEC 3				-0.33	-0.31	-0.40	-0.42	-0.40	-0.48	-0.51	-0.49	-0.55
DEC 4				-0.33	-0.31	-0.41	-0.42	-0.39	-0.48	-0.50	-0.46	-0.53
JAN 1				-0.32	-0.26	-0.40	-0.38	-0.23	-0.50	-0.50	-0.41	-0.55
JAN 2				-0.32	-0.25	-0.39	-0.43	-0.33	-0.50	-0.51	-0.41	-0.59
JAN 3				-0.34	-0.22	-0.42	-0.44	-0.29	-0.54	-0.52	-0.36	-0.64
JAN 4				-0.32	-0.21	-0.42	-0.43	-0.29	-0.53	-0.51	-0.36	-0.61
FEB 1				-0.29	-0.20	-0.39	-0.40	-0.28	-0.51	-0.49	-0.35	-0.58
FEB 2				-0.27	-0.18	-0.36	-0.38	-0.28	-0.48	-0.47	-0.35	-0.54
FEB 3				-0.27	-0.18	-0.34	-0.37	-0.26	-0.46	-0.46	-0.34	-0.56
FEB 4				-0.26	-0.15	-0.34	-0.37	-0.24	-0.46	-0.46	-0.33	-0.55
MAR 1				-0.27	-0.24	-0.34	-0.34	-0.20	-0.44	-0.43	-0.29	-0.54
MAR 2				-0.30	-0.23	-0.34	-0.35	-0.19	-0.43	-0.45	-0.30	-0.54
MAR 3							-0.33	-0.25	-0.40	-0.44	-0.35	-0.50
MAR 4							-0.33	-0.21	-0.42	-0.44	-0.31	-0.53
APR 1							-0.34	-0.22	-0.45	-0.45	-0.32	-0.59
APR 2							-0.35	-0.21	-0.57	-0.44	-0.31	-0.60
APR 3							-0.30	-0.11	-0.46	-0.42	-0.30	-0.59
APR 4							-0.30	-0.20	-0.42	-0.41	-0.29	-0.56
MAY 1							-0.33	-0.21	-0.54	-0.39	-0.28	-0.52
MAY 2							-0.27	-0.21	-0.33	-0.38	-0.29	-0.51
MAY 3										-0.39	-0.30	-0.53
MAY 4										-0.39	-0.28	-0.52
JUN 1										-0.37	-0.23	-0.48
JUN 2										-0.37	-0.23	-0.49
JUN 3										-0.36	-0.26	-0.50
JUN 4										-0.35	-0.25	-0.52
JUL 1										-0.36	-0.25	-0.53
JUL 2										-0.36	-0.26	-0.41

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- Basis = Cash prices minus futures prices
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- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Southeast Iowa (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			Avg	March			Avg	May			Avg	July		
	Avg	Min	Max		Min	Max	Min		Max	Min	Max				
OCT 1	-0.43	-0.33	-0.56	-0.57	-0.44	-0.73	-0.66	-0.51	-0.84	-0.75	-0.60	-0.93			
OCT 2	-0.40	-0.26	-0.47	-0.54	-0.44	-0.64	-0.62	-0.54	-0.74	-0.69	-0.61	-0.83			
OCT 3	-0.38	-0.29	-0.47	-0.51	-0.45	-0.60	-0.60	-0.53	-0.68	-0.67	-0.59	-0.75			
OCT 4	-0.35	-0.28	-0.42	-0.49	-0.44	-0.55	-0.58	-0.52	-0.64	-0.65	-0.57	-0.72			
NOV 1	-0.35	-0.31	-0.40	-0.50	-0.43	-0.58	-0.59	-0.51	-0.70	-0.67	-0.58	-0.81			
NOV 2	-0.30	-0.26	-0.34	-0.45	-0.40	-0.50	-0.54	-0.48	-0.60	-0.61	-0.55	-0.71			
NOV 3	-0.25	-0.21	-0.31	-0.40	-0.33	-0.47	-0.48	-0.40	-0.58	-0.55	-0.47	-0.69			
NOV 4	-0.22	-0.17	-0.28	-0.37	-0.28	-0.45	-0.45	-0.36	-0.56	-0.52	-0.43	-0.68			
DEC 1	-0.20	-0.12	-0.25	-0.34	-0.27	-0.40	-0.43	-0.34	-0.51	-0.51	-0.42	-0.61			
DEC 2	-0.19	-0.11	-0.25	-0.32	-0.24	-0.38	-0.41	-0.31	-0.48	-0.49	-0.39	-0.58			
DEC 3				-0.34	-0.26	-0.41	-0.44	-0.34	-0.50	-0.52	-0.42	-0.61			
DEC 4				-0.35	-0.25	-0.44	-0.44	-0.33	-0.55	-0.52	-0.40	-0.64			
JAN 1				-0.34	-0.21	-0.42	-0.40	-0.29	-0.53	-0.52	-0.36	-0.63			
JAN 2				-0.35	-0.19	-0.47	-0.45	-0.27	-0.58	-0.54	-0.35	-0.68			
JAN 3				-0.37	-0.17	-0.57	-0.47	-0.24	-0.70	-0.55	-0.31	-0.80			
JAN 4				-0.33	-0.19	-0.48	-0.44	-0.27	-0.60	-0.52	-0.34	-0.69			
FEB 1				-0.30	-0.18	-0.43	-0.41	-0.26	-0.55	-0.50	-0.33	-0.66			
FEB 2				-0.29	-0.19	-0.41	-0.40	-0.27	-0.53	-0.48	-0.34	-0.63			
FEB 3				-0.26	-0.16	-0.36	-0.37	-0.24	-0.49	-0.46	-0.32	-0.61			
FEB 4				-0.28	-0.17	-0.40	-0.39	-0.25	-0.53	-0.48	-0.31	-0.65			
MAR 1				-0.28	-0.24	-0.37	-0.35	-0.23	-0.47	-0.45	-0.32	-0.59			
MAR 2				-0.33	-0.20	-0.51	-0.37	-0.19	-0.61	-0.47	-0.30	-0.73			
MAR 3							-0.36	-0.27	-0.52	-0.47	-0.36	-0.63			
MAR 4							-0.36	-0.23	-0.57	-0.46	-0.31	-0.68			
APR 1							-0.36	-0.22	-0.60	-0.47	-0.30	-0.73			
APR 2							-0.35	-0.20	-0.65	-0.44	-0.28	-0.68			
APR 3							-0.29	-0.12	-0.58	-0.42	-0.27	-0.71			
APR 4							-0.28	-0.18	-0.54	-0.38	-0.26	-0.68			
MAY 1							-0.30	-0.17	-0.63	-0.36	-0.25	-0.61			
MAY 2							-0.20	-0.15	-0.26	-0.36	-0.23	-0.62			
MAY 3										-0.40	-0.25	-0.67			
MAY 4										-0.40	-0.25	-0.65			
JUN 1										-0.37	-0.23	-0.62			
JUN 2										-0.39	-0.28	-0.69			
JUN 3										-0.39	-0.27	-0.69			
JUN 4										-0.37	-0.23	-0.74			
JUL 1										-0.36	-0.24	-0.72			
JUL 2										-0.28	-0.22	-0.40			

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Southwest Iowa (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			Avg	March			Avg	May			Avg	July		
	Avg	Min	Max		Min	Max	Min		Max	Min	Max				
OCT 1	-0.46	-0.33	-0.64	-0.60	-0.48	-0.77	-0.69	-0.55	-0.85	-0.78	-0.64	-0.92			
OCT 2	-0.46	-0.34	-0.65	-0.59	-0.48	-0.77	-0.67	-0.54	-0.85	-0.75	-0.57	-0.92			
OCT 3	-0.44	-0.30	-0.63	-0.57	-0.46	-0.76	-0.66	-0.56	-0.84	-0.73	-0.61	-0.91			
OCT 4	-0.43	-0.28	-0.59	-0.57	-0.44	-0.72	-0.66	-0.55	-0.81	-0.73	-0.63	-0.89			
NOV 1	-0.40	-0.28	-0.58	-0.56	-0.46	-0.73	-0.65	-0.58	-0.81	-0.72	-0.65	-0.88			
NOV 2	-0.39	-0.25	-0.52	-0.54	-0.42	-0.66	-0.62	-0.53	-0.74	-0.70	-0.64	-0.81			
NOV 3	-0.36	-0.24	-0.43	-0.51	-0.40	-0.57	-0.59	-0.51	-0.65	-0.66	-0.60	-0.72			
NOV 4	-0.33	-0.23	-0.42	-0.48	-0.40	-0.53	-0.56	-0.51	-0.60	-0.63	-0.54	-0.68			
DEC 1	-0.30	-0.23	-0.38	-0.45	-0.39	-0.49	-0.54	-0.50	-0.57	-0.61	-0.59	-0.64			
DEC 2	-0.28	-0.21	-0.35	-0.41	-0.37	-0.46	-0.50	-0.48	-0.54	-0.58	-0.55	-0.60			
DEC 3				-0.40	-0.34	-0.45	-0.49	-0.44	-0.53	-0.57	-0.52	-0.60			
DEC 4				-0.40	-0.35	-0.46	-0.49	-0.46	-0.53	-0.57	-0.55	-0.59			
JAN 1				-0.39	-0.35	-0.45	-0.45	-0.28	-0.55	-0.56	-0.53	-0.60			
JAN 2				-0.38	-0.35	-0.44	-0.48	-0.43	-0.55	-0.57	-0.51	-0.64			
JAN 3				-0.40	-0.32	-0.46	-0.50	-0.39	-0.56	-0.58	-0.46	-0.65			
JAN 4				-0.38	-0.31	-0.44	-0.48	-0.39	-0.55	-0.57	-0.46	-0.63			
FEB 1				-0.35	-0.30	-0.40	-0.46	-0.38	-0.52	-0.55	-0.45	-0.61			
FEB 2				-0.33	-0.24	-0.38	-0.44	-0.37	-0.48	-0.52	-0.45	-0.57			
FEB 3				-0.32	-0.24	-0.41	-0.43	-0.33	-0.51	-0.52	-0.43	-0.60			
FEB 4				-0.32	-0.23	-0.41	-0.42	-0.32	-0.52	-0.51	-0.41	-0.61			
MAR 1				-0.30	-0.21	-0.42	-0.38	-0.28	-0.52	-0.47	-0.37	-0.62			
MAR 2				-0.35	-0.31	-0.42	-0.40	-0.27	-0.51	-0.50	-0.38	-0.61			
MAR 3							-0.42	-0.31	-0.52	-0.52	-0.41	-0.63			
MAR 4							-0.40	-0.28	-0.46	-0.50	-0.38	-0.57			
APR 1							-0.38	-0.27	-0.46	-0.49	-0.37	-0.60			
APR 2							-0.40	-0.28	-0.59	-0.49	-0.38	-0.62			
APR 3							-0.34	-0.16	-0.49	-0.47	-0.35	-0.62			
APR 4							-0.34	-0.23	-0.46	-0.45	-0.32	-0.60			
MAY 1							-0.36	-0.24	-0.56	-0.43	-0.31	-0.54			
MAY 2							-0.30	-0.24	-0.38	-0.41	-0.33	-0.53			
MAY 3										-0.43	-0.30	-0.55			
MAY 4										-0.42	-0.27	-0.54			
JUN 1										-0.39	-0.19	-0.52			
JUN 2										-0.40	-0.20	-0.51			
JUN 3										-0.40	-0.21	-0.53			
JUN 4										-0.39	-0.19	-0.54			
JUL 1										-0.39	-0.19	-0.54			
JUL 2										-0.40	-0.20	-0.51			

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Iowa State Average (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			Avg	March			Avg	May			Avg	July		
	Avg	Min	Max		Min	Max	Min		Max	Min	Max				
OCT 1	-0.45	-0.30	-0.55	-0.59	-0.41	-0.70	-0.68	-0.48	-0.81	-0.77	-0.57	-0.90			
OCT 2	-0.44	-0.34	-0.56	-0.58	-0.45	-0.68	-0.66	-0.52	-0.77	-0.73	-0.59	-0.86			
OCT 3	-0.42	-0.34	-0.57	-0.56	-0.45	-0.70	-0.64	-0.52	-0.78	-0.72	-0.59	-0.85			
OCT 4	-0.41	-0.32	-0.54	-0.55	-0.48	-0.67	-0.64	-0.58	-0.76	-0.72	-0.63	-0.84			
NOV 1	-0.38	-0.31	-0.51	-0.53	-0.48	-0.66	-0.62	-0.55	-0.74	-0.70	-0.62	-0.81			
NOV 2	-0.36	-0.29	-0.45	-0.51	-0.46	-0.59	-0.59	-0.54	-0.67	-0.67	-0.61	-0.74			
NOV 3	-0.34	-0.28	-0.39	-0.48	-0.44	-0.54	-0.56	-0.53	-0.62	-0.63	-0.55	-0.69			
NOV 4	-0.30	-0.26	-0.33	-0.45	-0.42	-0.47	-0.53	-0.50	-0.55	-0.60	-0.51	-0.66			
DEC 1	-0.26	-0.22	-0.31	-0.41	-0.39	-0.45	-0.50	-0.47	-0.51	-0.57	-0.54	-0.61			
DEC 2	-0.26	-0.21	-0.30	-0.39	-0.37	-0.43	-0.48	-0.45	-0.51	-0.56	-0.52	-0.60			
DEC 3				-0.38	-0.36	-0.43	-0.47	-0.44	-0.51	-0.55	-0.52	-0.59			
DEC 4				-0.37	-0.35	-0.43	-0.46	-0.43	-0.50	-0.54	-0.50	-0.57			
JAN 1				-0.36	-0.30	-0.41	-0.42	-0.28	-0.51	-0.54	-0.45	-0.57			
JAN 2				-0.36	-0.29	-0.41	-0.46	-0.37	-0.52	-0.55	-0.45	-0.61			
JAN 3				-0.38	-0.28	-0.45	-0.48	-0.35	-0.57	-0.56	-0.42	-0.67			
JAN 4				-0.35	-0.26	-0.42	-0.45	-0.34	-0.53	-0.54	-0.41	-0.62			
FEB 1				-0.32	-0.26	-0.39	-0.43	-0.34	-0.51	-0.52	-0.41	-0.58			
FEB 2				-0.30	-0.21	-0.35	-0.41	-0.33	-0.47	-0.49	-0.40	-0.55			
FEB 3				-0.29	-0.20	-0.38	-0.39	-0.29	-0.48	-0.49	-0.39	-0.57			
FEB 4				-0.29	-0.19	-0.37	-0.39	-0.28	-0.48	-0.49	-0.37	-0.57			
MAR 1				-0.29	-0.24	-0.37	-0.36	-0.25	-0.47	-0.45	-0.34	-0.57			
MAR 2				-0.33	-0.27	-0.37	-0.38	-0.23	-0.46	-0.48	-0.34	-0.57			
MAR 3							-0.38	-0.27	-0.44	-0.48	-0.37	-0.55			
MAR 4							-0.37	-0.26	-0.44	-0.47	-0.36	-0.55			
APR 1							-0.36	-0.26	-0.46	-0.47	-0.36	-0.60			
APR 2							-0.37	-0.24	-0.57	-0.46	-0.34	-0.60			
APR 3							-0.31	-0.12	-0.47	-0.44	-0.31	-0.60			
APR 4							-0.31	-0.20	-0.45	-0.42	-0.29	-0.59			
MAY 1							-0.34	-0.22	-0.56	-0.41	-0.29	-0.54			
MAY 2							-0.28	-0.23	-0.37	-0.40	-0.31	-0.53			
MAY 3										-0.41	-0.31	-0.55			
MAY 4										-0.41	-0.28	-0.54			
JUN 1										-0.39	-0.23	-0.51			
JUN 2										-0.39	-0.25	-0.53			
JUN 3										-0.40	-0.27	-0.57			
JUN 4										-0.39	-0.27	-0.57			
JUL 1										-0.39	-0.26	-0.58			
JUL 2										-0.38	-0.27	-0.46			

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Clinton-North River Market (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			March			May			July		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
OCT 1	-0.51	-0.35	-0.67	-0.65	-0.46	-0.86	-0.74	-0.53	-0.98	-0.83	-0.62	-1.09
OCT 2	-0.43	-0.19	-0.64	-0.57	-0.30	-0.82	-0.65	-0.37	-0.93	-0.72	-0.44	-1.04
OCT 3	-0.35	-0.24	-0.52	-0.49	-0.36	-0.69	-0.57	-0.43	-0.80	-0.65	-0.50	-0.91
OCT 4	-0.29	-0.19	-0.39	-0.43	-0.32	-0.55	-0.52	-0.39	-0.66	-0.60	-0.44	-0.76
NOV 1	-0.34	-0.25	-0.59	-0.49	-0.37	-0.76	-0.58	-0.44	-0.88	-0.65	-0.51	-1.00
NOV 2	-0.24	-0.12	-0.46	-0.39	-0.27	-0.63	-0.47	-0.34	-0.74	-0.55	-0.41	-0.85
NOV 3	-0.19	-0.07	-0.45	-0.33	-0.18	-0.61	-0.41	-0.25	-0.72	-0.48	-0.32	-0.83
NOV 4	-0.18	-0.03	-0.40	-0.32	-0.13	-0.57	-0.40	-0.21	-0.68	-0.48	-0.28	-0.79
DEC 1	-0.17	-0.03	-0.38	-0.32	-0.14	-0.54	-0.40	-0.22	-0.65	-0.48	-0.29	-0.75
DEC 2	-0.19	-0.05	-0.32	-0.33	-0.13	-0.45	-0.42	-0.21	-0.56	-0.49	-0.28	-0.66
DEC 3				-0.31	-0.16	-0.42	-0.41	-0.24	-0.53	-0.49	-0.32	-0.63
DEC 4				-0.33	-0.17	-0.50	-0.43	-0.24	-0.61	-0.51	-0.31	-0.70
JAN 1				-0.33	-0.11	-0.50	-0.38	-0.19	-0.61	-0.51	-0.26	-0.71
JAN 2				-0.32	-0.11	-0.53	-0.42	-0.19	-0.64	-0.51	-0.26	-0.74
JAN 3				-0.33	-0.10	-0.59	-0.43	-0.17	-0.72	-0.52	-0.24	-0.82
JAN 4				-0.28	-0.10	-0.49	-0.38	-0.18	-0.61	-0.47	-0.25	-0.70
FEB 1				-0.21	-0.05	-0.38	-0.31	-0.13	-0.51	-0.41	-0.20	-0.62
FEB 2				-0.23	-0.08	-0.34	-0.33	-0.16	-0.46	-0.42	-0.23	-0.56
FEB 3				-0.21	-0.04	-0.37	-0.31	-0.11	-0.50	-0.41	-0.19	-0.62
FEB 4				-0.26	-0.06	-0.42	-0.36	-0.14	-0.55	-0.46	-0.20	-0.67
MAR 1				-0.24	-0.14	-0.33	-0.30	-0.14	-0.43	-0.39	-0.23	-0.55
MAR 2				-0.27	-0.10	-0.47	-0.32	-0.16	-0.57	-0.41	-0.24	-0.69
MAR 3							-0.32	-0.17	-0.52	-0.42	-0.24	-0.64
MAR 4							-0.27	-0.09	-0.54	-0.37	-0.17	-0.65
APR 1							-0.27	-0.15	-0.51	-0.38	-0.23	-0.65
APR 2							-0.24	-0.09	-0.53	-0.33	-0.17	-0.56
APR 3							-0.20	-0.01	-0.61	-0.32	-0.14	-0.74
APR 4							-0.18	-0.04	-0.55	-0.29	-0.13	-0.68
MAY 1							-0.20	-0.04	-0.60	-0.26	-0.12	-0.58
MAY 2							-0.11	-0.01	-0.19	-0.29	-0.09	-0.66
MAY 3										-0.30	-0.12	-0.62
MAY 4										-0.31	-0.15	-0.68
JUN 1										-0.30	-0.16	-0.56
JUN 2										-0.29	-0.11	-0.69
JUN 3										-0.31	-0.12	-0.79
JUN 4										-0.25	-0.07	-0.61
JUL 1										-0.26	-0.04	-0.71
JUL 2										-0.20	-0.07	-0.40

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Davenport-South River Market (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			Avg	March			Avg	May			Avg	July		
	Avg	Min	Max		Min	Max	Min		Max	Min	Max				
OCT 1	-0.44	-0.30	-0.59	-0.58	-0.41	-0.78	-0.67	-0.47	-0.90	-0.76	-0.56	-1.01			
OCT 2	-0.35	-0.19	-0.53	-0.49	-0.29	-0.70	-0.57	-0.36	-0.82	-0.65	-0.43	-0.93			
OCT 3	-0.27	-0.18	-0.41	-0.41	-0.32	-0.58	-0.50	-0.39	-0.69	-0.57	-0.44	-0.80			
OCT 4	-0.23	-0.13	-0.32	-0.37	-0.26	-0.48	-0.46	-0.33	-0.59	-0.54	-0.38	-0.69			
NOV 1	-0.27	-0.17	-0.53	-0.42	-0.31	-0.70	-0.51	-0.39	-0.82	-0.58	-0.46	-0.94			
NOV 2	-0.18	-0.08	-0.38	-0.33	-0.22	-0.55	-0.42	-0.30	-0.66	-0.49	-0.37	-0.77			
NOV 3	-0.13	-0.04	-0.40	-0.27	-0.15	-0.56	-0.36	-0.22	-0.67	-0.43	-0.29	-0.78			
NOV 4	-0.12	-0.01	-0.35	-0.27	-0.12	-0.52	-0.35	-0.19	-0.63	-0.42	-0.27	-0.75			
DEC 1	-0.12	0.00	-0.30	-0.27	-0.11	-0.46	-0.35	-0.19	-0.57	-0.43	-0.26	-0.67			
DEC 2	-0.12	0.00	-0.24	-0.25	-0.08	-0.37	-0.34	-0.16	-0.48	-0.42	-0.23	-0.58			
DEC 3				-0.26	-0.12	-0.36	-0.35	-0.19	-0.47	-0.43	-0.27	-0.57			
DEC 4				-0.25	-0.13	-0.34	-0.34	-0.21	-0.44	-0.42	-0.28	-0.54			
JAN 1				-0.25	-0.10	-0.35	-0.31	-0.18	-0.46	-0.42	-0.25	-0.56			
JAN 2				-0.24	-0.08	-0.38	-0.34	-0.16	-0.49	-0.43	-0.24	-0.59			
JAN 3				-0.23	-0.06	-0.34	-0.33	-0.13	-0.47	-0.41	-0.20	-0.57			
JAN 4				-0.22	-0.10	-0.31	-0.32	-0.18	-0.43	-0.40	-0.25	-0.51			
FEB 1				-0.18	-0.08	-0.29	-0.29	-0.16	-0.42	-0.38	-0.24	-0.53			
FEB 2				-0.15	-0.07	-0.23	-0.26	-0.15	-0.35	-0.34	-0.21	-0.45			
FEB 3				-0.13	-0.03	-0.22	-0.23	-0.11	-0.35	-0.32	-0.18	-0.47			
FEB 4				-0.15	-0.03	-0.27	-0.25	-0.12	-0.40	-0.35	-0.22	-0.51			
MAR 1				-0.16	-0.07	-0.32	-0.22	-0.07	-0.42	-0.32	-0.17	-0.54			
MAR 2				-0.20	-0.06	-0.41	-0.25	-0.13	-0.51	-0.35	-0.20	-0.63			
MAR 3							-0.22	-0.15	-0.35	-0.33	-0.22	-0.47			
MAR 4							-0.22	-0.06	-0.51	-0.33	-0.14	-0.63			
APR 1							-0.21	-0.06	-0.41	-0.32	-0.15	-0.55			
APR 2							-0.19	-0.06	-0.48	-0.28	-0.14	-0.51			
APR 3							-0.15	0.04	-0.51	-0.28	-0.12	-0.65			
APR 4							-0.15	-0.02	-0.48	-0.25	-0.11	-0.61			
MAY 1							-0.15	-0.01	-0.52	-0.22	-0.10	-0.51			
MAY 2							-0.07	0.01	-0.15	-0.23	-0.07	-0.55			
MAY 3										-0.26	-0.12	-0.54			
MAY 4										-0.27	-0.11	-0.61			
JUN 1										-0.25	-0.14	-0.48			
JUN 2										-0.24	-0.08	-0.57			
JUN 3										-0.21	-0.08	-0.55			
JUN 4										-0.20	0.00	-0.52			
JUL 1										-0.21	0.00	-0.62			
JUL 2										-0.16	-0.03	-0.33			

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Omaha Market (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			March			May			July		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
OCT 1	-0.33	-0.16	-0.55	-0.47	-0.35	-0.68	-0.56	-0.44	-0.76	-0.65	-0.51	-0.83
OCT 2	-0.33	-0.11	-0.58	-0.47	-0.29	-0.71	-0.55	-0.39	-0.79	-0.62	-0.42	-0.85
OCT 3	-0.32	-0.09	-0.55	-0.46	-0.25	-0.68	-0.54	-0.37	-0.76	-0.62	-0.47	-0.83
OCT 4	-0.30	-0.09	-0.51	-0.44	-0.25	-0.65	-0.53	-0.36	-0.74	-0.61	-0.46	-0.81
NOV 1	-0.29	-0.12	-0.44	-0.44	-0.29	-0.58	-0.53	-0.41	-0.66	-0.60	-0.53	-0.73
NOV 2	-0.25	-0.06	-0.35	-0.40	-0.23	-0.48	-0.48	-0.34	-0.56	-0.56	-0.46	-0.63
NOV 3	-0.21	0.01	-0.35	-0.35	-0.15	-0.46	-0.44	-0.26	-0.53	-0.51	-0.37	-0.60
NOV 4	-0.17	0.04	-0.32	-0.32	-0.13	-0.42	-0.40	-0.24	-0.50	-0.47	-0.36	-0.57
DEC 1	-0.13	0.05	-0.25	-0.28	-0.11	-0.37	-0.36	-0.22	-0.44	-0.44	-0.32	-0.51
DEC 2	-0.11	0.05	-0.24	-0.24	-0.09	-0.36	-0.33	-0.20	-0.44	-0.41	-0.30	-0.50
DEC 3				-0.22	-0.11	-0.30	-0.31	-0.22	-0.39	-0.39	-0.32	-0.45
DEC 4				-0.23	-0.12	-0.33	-0.32	-0.22	-0.41	-0.40	-0.32	-0.46
JAN 1				-0.22	-0.15	-0.27	-0.28	-0.08	-0.36	-0.39	-0.36	-0.42
JAN 2				-0.24	-0.16	-0.31	-0.34	-0.27	-0.42	-0.43	-0.37	-0.51
JAN 3				-0.25	-0.17	-0.30	-0.35	-0.28	-0.41	-0.43	-0.37	-0.51
JAN 4				-0.23	-0.15	-0.29	-0.34	-0.26	-0.40	-0.42	-0.37	-0.49
FEB 1				-0.22	-0.13	-0.28	-0.33	-0.23	-0.41	-0.42	-0.33	-0.52
FEB 2				-0.21	-0.08	-0.27	-0.31	-0.21	-0.38	-0.40	-0.31	-0.49
FEB 3				-0.19	-0.08	-0.30	-0.30	-0.17	-0.40	-0.39	-0.27	-0.49
FEB 4				-0.19	-0.08	-0.31	-0.30	-0.16	-0.42	-0.39	-0.26	-0.51
MAR 1				-0.21	-0.11	-0.32	-0.27	-0.11	-0.42	-0.37	-0.20	-0.52
MAR 2				-0.24	-0.18	-0.33	-0.28	-0.09	-0.42	-0.38	-0.19	-0.52
MAR 3							-0.28	-0.12	-0.40	-0.39	-0.22	-0.51
MAR 4							-0.28	-0.13	-0.37	-0.38	-0.24	-0.48
APR 1							-0.25	-0.12	-0.31	-0.36	-0.22	-0.44
APR 2							-0.27	-0.11	-0.44	-0.36	-0.21	-0.47
APR 3							-0.21	0.01	-0.32	-0.33	-0.18	-0.46
APR 4							-0.21	-0.06	-0.30	-0.31	-0.16	-0.43
MAY 1							-0.23	-0.07	-0.44	-0.29	-0.15	-0.42
MAY 2							-0.18	-0.14	-0.23	-0.27	-0.17	-0.39
MAY 3										-0.28	-0.17	-0.41
MAY 4										-0.27	-0.13	-0.40
JUN 1										-0.25	-0.04	-0.39
JUN 2										-0.26	-0.01	-0.37
JUN 3										-0.26	-0.05	-0.35
JUN 4										-0.25	-0.04	-0.38
JUL 1										-0.25	-0.05	-0.41
JUL 2										-0.26	-0.06	-0.39

Definitions

- Basis = Cash prices minus futures prices
- Cash price = Average cash price offered in this district of Iowa
- Thursday closing prices (cash and futures) were used to compute the basis for each week.
- Average basis = Five year average
- Maximum (minimum) = Year that basis was the widest (most narrow)

Corn Basis for Southern Minnesota Average (2004-05 through 2008-09) (\$ per bu.).

Futures contract maturity month

Month/ Week	December			Avg	March			Avg	May			Avg	July		
	Avg	Min	Max		Min	Max	Min		Max	Min	Max				
OCT 1	-0.44	-0.27	-0.58	-0.58	-0.38	-0.71	-0.67	-0.45	-0.79	-0.75	-0.54	-0.87			
OCT 2	-0.42	-0.32	-0.54	-0.55	-0.42	-0.67	-0.63	-0.49	-0.75	-0.71	-0.56	-0.81			
OCT 3	-0.42	-0.34	-0.58	-0.56	-0.45	-0.71	-0.65	-0.52	-0.79	-0.72	-0.58	-0.86			
OCT 4	-0.41	-0.33	-0.57	-0.55	-0.44	-0.70	-0.63	-0.51	-0.79	-0.71	-0.58	-0.87			
NOV 1	-0.40	-0.32	-0.56	-0.55	-0.44	-0.71	-0.64	-0.52	-0.79	-0.72	-0.59	-0.86			
NOV 2	-0.38	-0.30	-0.52	-0.53	-0.46	-0.66	-0.61	-0.53	-0.74	-0.69	-0.60	-0.81			
NOV 3	-0.35	-0.28	-0.45	-0.49	-0.43	-0.60	-0.58	-0.51	-0.68	-0.65	-0.58	-0.75			
NOV 4	-0.32	-0.22	-0.39	-0.47	-0.39	-0.53	-0.55	-0.49	-0.61	-0.62	-0.55	-0.70			
DEC 1	-0.27	-0.12	-0.34	-0.42	-0.30	-0.48	-0.51	-0.40	-0.57	-0.58	-0.48	-0.67			
DEC 2	-0.28	-0.13	-0.34	-0.41	-0.30	-0.47	-0.50	-0.41	-0.56	-0.58	-0.48	-0.66			
DEC 3				-0.39	-0.30	-0.43	-0.48	-0.40	-0.54	-0.56	-0.48	-0.64			
DEC 4				-0.39	-0.30	-0.47	-0.48	-0.41	-0.55	-0.56	-0.50	-0.61			
JAN 1				-0.38	-0.30	-0.46	-0.44	-0.34	-0.55	-0.56	-0.47	-0.62			
JAN 2				-0.37	-0.27	-0.46	-0.47	-0.38	-0.57	-0.56	-0.47	-0.66			
JAN 3				-0.39	-0.32	-0.44	-0.49	-0.41	-0.54	-0.57	-0.48	-0.62			
JAN 4				-0.36	-0.28	-0.43	-0.46	-0.36	-0.54	-0.54	-0.43	-0.60			
FEB 1				-0.33	-0.24	-0.41	-0.43	-0.35	-0.53	-0.52	-0.42	-0.60			
FEB 2				-0.31	-0.22	-0.40	-0.42	-0.34	-0.50	-0.50	-0.42	-0.59			
FEB 3				-0.30	-0.21	-0.43	-0.41	-0.33	-0.53	-0.50	-0.41	-0.62			
FEB 4				-0.30	-0.18	-0.43	-0.40	-0.31	-0.53	-0.50	-0.41	-0.63			
MAR 1				-0.30	-0.22	-0.42	-0.38	-0.32	-0.53	-0.47	-0.41	-0.63			
MAR 2				-0.32	-0.24	-0.42	-0.40	-0.34	-0.51	-0.49	-0.42	-0.61			
MAR 3							-0.41	-0.36	-0.51	-0.51	-0.46	-0.62			
MAR 4							-0.39	-0.34	-0.49	-0.49	-0.43	-0.60			
APR 1							-0.36	-0.30	-0.42	-0.47	-0.38	-0.53			
APR 2							-0.38	-0.27	-0.47	-0.47	-0.36	-0.59			
APR 3							-0.33	-0.24	-0.45	-0.45	-0.34	-0.56			
APR 4							-0.33	-0.24	-0.44	-0.43	-0.32	-0.55			
MAY 1							-0.36	-0.22	-0.48	-0.43	-0.30	-0.55			
MAY 2							-0.31	-0.23	-0.41	-0.41	-0.31	-0.51			
MAY 3										-0.41	-0.31	-0.57			
MAY 4										-0.41	-0.29	-0.56			
JUN 1										-0.39	-0.23	-0.56			
JUN 2										-0.40	-0.22	-0.55			
JUN 3										-0.41	-0.27	-0.52			
JUN 4										-0.39	-0.21	-0.50			
JUL 1										-0.41	-0.22	-0.52			
JUL 2										-0.43	-0.24	-0.53			