

hassman sig @ 5%

Neff sig @ 5%

Both

	CORN				SOYB				WEAT				USO				UGA			
	No External		Full System		No External		Full System		No External		Full System		No External		Full System		No External		Full System	
Parameter	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.	Coefficient	Prob.
Mean Equation																				
mu	-0.011996	0.000223	-0.16919	0.000000	-0.016590	0.000000			-0.012854	0.002144	-0.016172	0.657983	0.002067	0.779450			-0.002018	0.702204	-0.003686	0.000000
ar1	-0.014760	0.580087	0.085885	0.000231	-0.483245	0.000032			-0.322579	0.082597	-0.640740	0.000000	-0.275758	0.070558			0.411273	0.024199	0.582840	0.000000
ar2	-0.048607	0.000753	0.016763	0.022858	0.008074	0.953075			0.553375	0.000004	0.573626	0.000000	0.109171	0.000131			0.001443	0.949163	0.013598	0.000059
ar3	-0.074301	0.000001	-0.116574	0.000000	0.661412	0.000103			-0.000852	0.996108	0.460294	0.000068					-0.064039	0.003689	-0.066329	0.000000
ar4					-0.030056	0.659792			-0.109164	0.000000	-0.091298	0.003819								
ma1					0.407221	0.000173			0.321003	0.089838	0.642887	0.000000	0.346637	0.009875			-0.466155	0.009808	-0.593369	0.000000
ma2					-0.065389	0.559884			-0.529614	0.000005	-0.539122	0.000000								
ma3					-0.751231	0.000015			-0.079898	0.656213	-0.515114	0.001346								
Variance Equation																				
omega	0.018465	0.000000	0.000063	0.000000	0.007107	0.025853			0.003580	0.118270	0.000256	0.000000	0.004435	0.230585			0.033750	0.000001	0.015461	0.000021
alpha1	0.532845	0.000000	0.050000	0.000000	0.377214	0.000000			0.159222	0.004222	0.050735	0.000758	0.190391	0.000018			0.645368	0.000000	0.567926	0.000000
beta1	0.151144	0.028442	0.900000	0.000000	0.621786	0.000000			0.826214	0.000000	0.900599	0.008595	0.808609	0.000000			0.264632	0.000213	0.234190	0.000000
Percent Asset Return			-0.001034	0.000000							0.005744	0.851554							-0.003780	0.000000
Volume Percent Change			0.000017	0.000000							0.001205	0.000000							0.000021	0.000000
Febuary			0.001960	0.000000							0.008672	0.002928							0.005994	0.433038
March			0.000412	0.000000							0.001116	0.000001							-0.005398	0.000000
April			0.000720	0.430897							0.011546	0.963155							0.001965	0.513460
May			0.001229	0.253209							0.002081	0.871997							0.005456	0.426769
June			0.004315	0.016357							0.004570	0.871588							-0.000865	0.000000
July			0.000609	0.669870							0.001799	0.928738							0.002857	0.366031
August			0.002557	0.016398							0.005139	0.960160							0.014601	0.129179
Septermber			0.000030	0.959160							0.001484	0.985661							0.016765	0.135475
October			0.000913	0.173738							0.003496	0.934112							0.005172	0.349172
November			0.001676	0.000159							0.005064	0.947792							0.040692	0.028507
December			0.000364	0.567727							0.004722	0.538652							0.009849	0.503947
2013			0.002320	0.041450							0.016406	0.779571							0.005947	0.019057
2014			0.001591	0.203459							0.001391	0.980298							-0.002333	0.000000
2015			-0.000043	0.926194							0.002112	0.896032							0.048495	0.003863
2016			0.003024	0.076000							-0.000245	0.994031							0.055068	0.002151
2017			-0.000195	0.569247							-0.000568	0.976373							0.004927	0.221684
2018			-0.000774	0.000000							0.000449	0.003391							0.023578	0.021529
2019			0.000000	0.99976							0.000000	0.999999							0.036798	0.000289
2020			0.005600	0.148045							0.005744	0.851554							0.167320	0.215041
Day Before Roll			-0.000269	0.000000							-0.004400	0.000000							-0.017486	0.000000
Day After Roll			0.010827	0.014695							0.008842	0.000000							0.011480	0.195959
WASDE			-0.002778	0.000000							0.014487	0.002309								
WASDE + CP			0.002816	0.834103							0.016715	0.984875								
Grain Stocks			0.10185	0.000062							0.003010	0.325560								
Prospective Plantings			0.03366	0.793891							-0.007068	0.000815								
Acreage Report			0.00247	0.995438							0.026878	0.918449								
Cattle on Feed			0.003992	0.000000							-0.001602	0.000001								
Hogs and Pigs			0.003524	0.453046							-0.010520	-0.001950								
STEO																			0.064919	0.524641
Drilling Prod.																			0.27377	0.367360
Petroleum Supply																			-0.011659	0.157736
EIA Annual																			0.021724	0.565646