

Researchers: Josh Johnson and John Allen

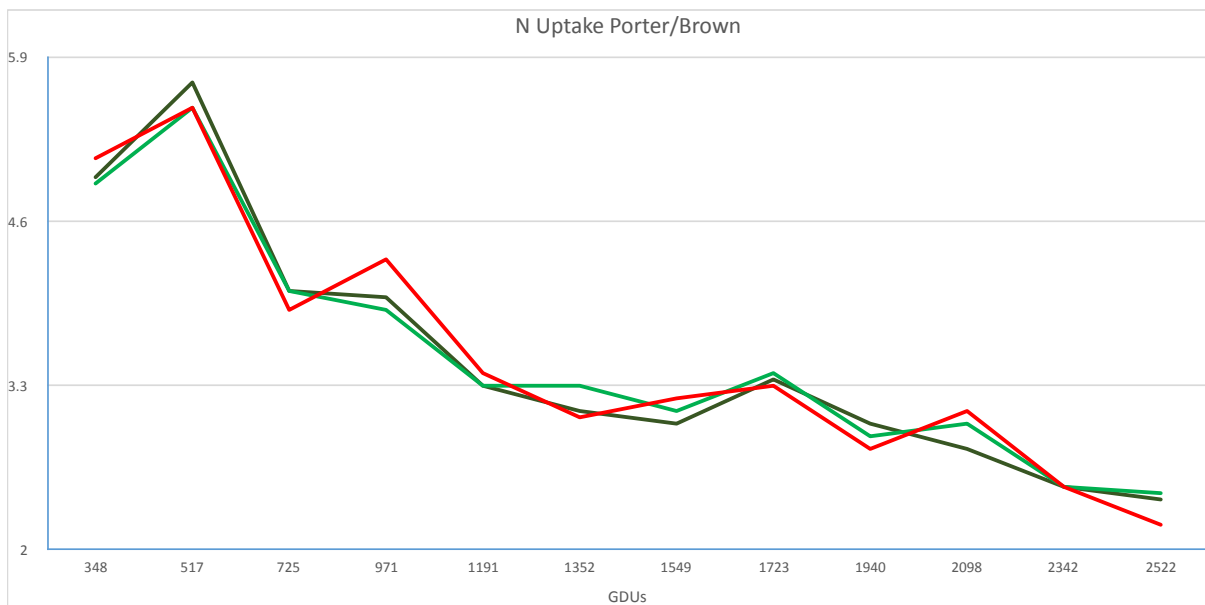
Location: Ohio County, KY

Crop: Corn

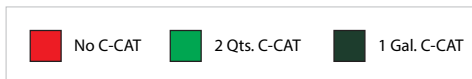
Methods: C-Cat was added in various rates to observe nutrient uptake when C-Cat was present in a program. Below are the graphs for N, P, and K uptake throughout the season, across three different farms.

Results: The three locations averaged a **10 bushel** increase where C-Cat was present.

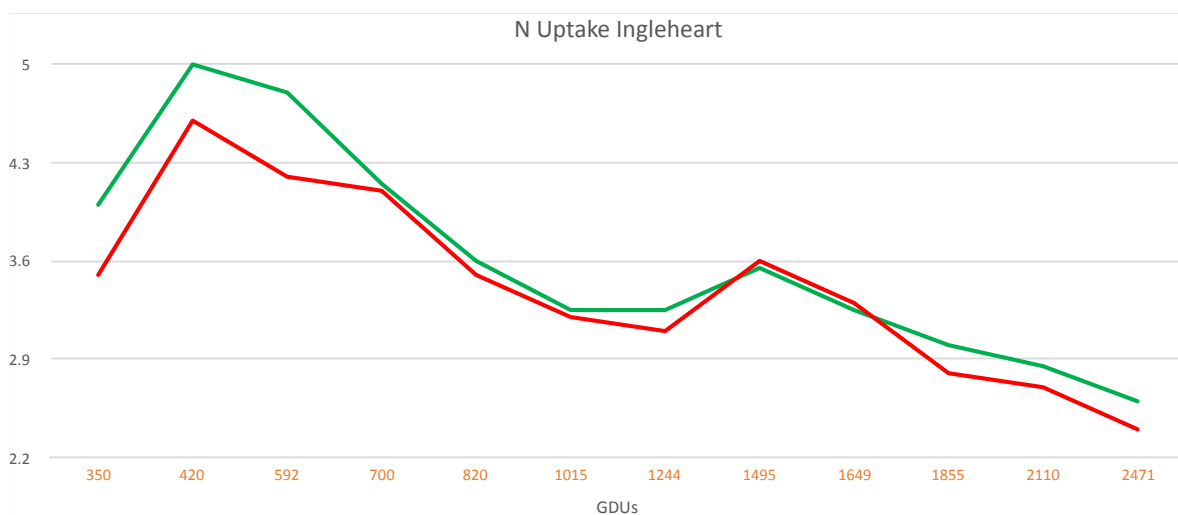
Nitrogen:



GDU's	348	517	725	971	1191	1352	1549	1723	1940	2098	2342	2522
No C-Cat	5.1	5.5	3.9	4.3	3.4	3.05	3.2	3.3	2.8	3.1	2.5	2.2
2 qts C-Cat	4.9	5.5	4.05	3.9	3.3	3.3	3.1	3.4	2.9	3	2.5	2.45
1 gal C-Cat	4.95	5.7	4.05	4	3.3	3.1	3	3.35	3	2.8	2.5	2.4



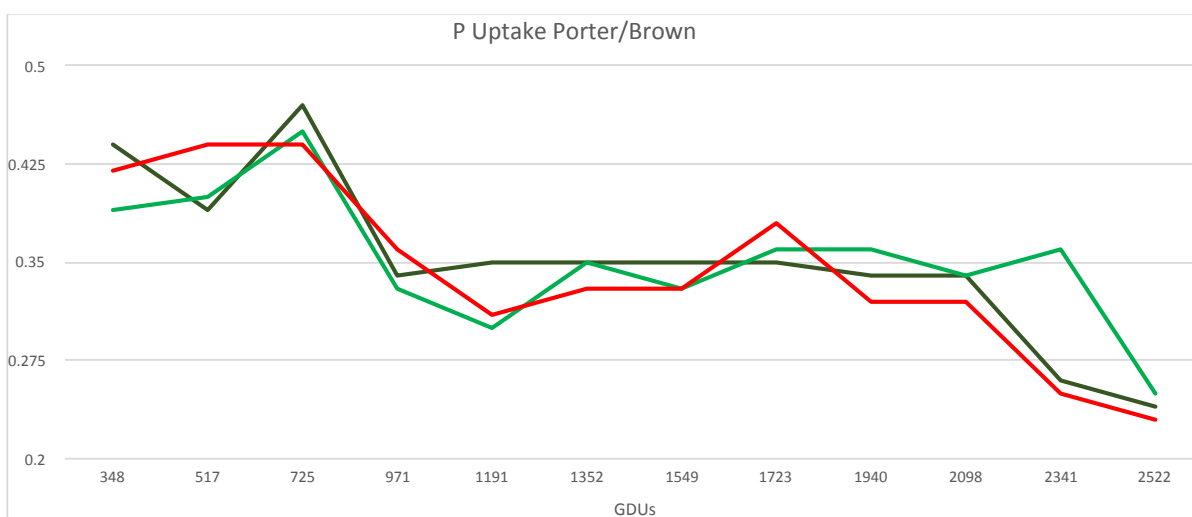
Nitrogen:



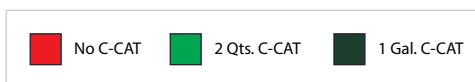
GDUs	350	420	592	700	820	1015	1244	1495	1649	1855	2110	2471
No C-Cat	3.5	4.6	4.2	4.1	3.5	3.2	3.1	3.6	3.3	2.8	2.7	2.4
1 gal C-Cat	4	5	4.8	4.15	3.6	3.25	3.25	3.55	3.25	3	2.85	2.6



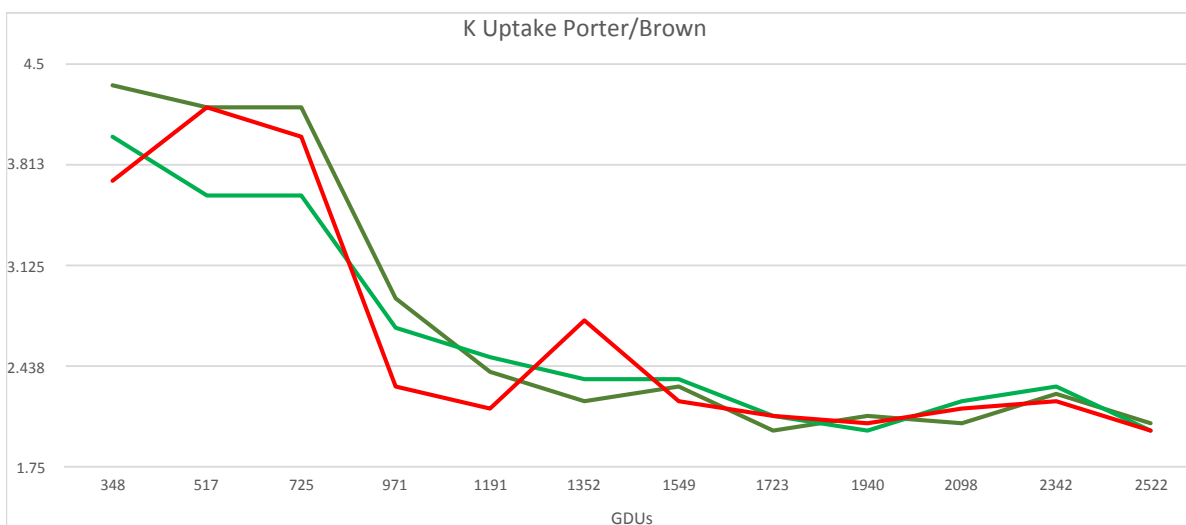
Phosphorous:



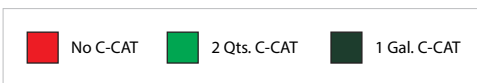
GDU's	348	517	725	971	1191	1352	1549	1723	1940	2098	2341	2522
No C-Cat	0.42	0.44	0.44	0.36	0.31	0.33	0.33	0.38	0.32	0.32	0.25	0.23
2 qts C-Cat	0.39	0.4	0.45	0.33	0.3	0.35	0.33	0.36	0.36	0.34	0.36	0.25
1 gal C-Cat	0.44	0.39	0.47	0.34	0.35	0.35	0.35	0.35	0.34	0.34	0.26	0.24



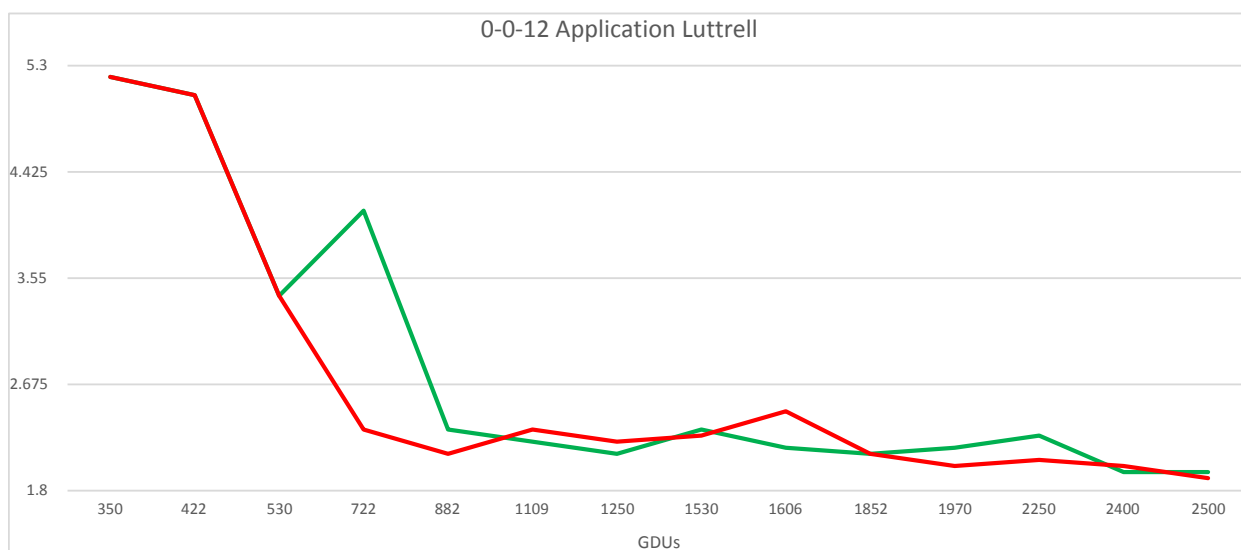
Potassium:



GDUs	348	517	725	971	1191	1352	1549	1723	1940	2098	2342	2522
No C-Cat	3.7	4.2	4	2.3	2.15	2.75	2.2	2.1	2.05	2.15	2.2	2
2 qts C-Cat	4	3.6	3.6	2.7	2.5	2.35	2.35	2.1	2	2.2	2.3	2
1 gal C-Cat	4.35	4.2	4.2	2.9	2.4	2.2	2.3	2	2.1	2.05	2.25	2.05



Note: An application of 0-0-12 was made with and without C-CAT at around 490 GDUs.



GDUs	350	422	530	722	882	1109	1250	1530	1606	1852	1970	2250	2400	2500
No C-Cat	5.2	5.05	3.4	2.3	2.1	2.3	2.2	2.25	2.45	2.1	2	2.05	2	1.9
1 gal C-Cat	5.2	5.05	3.4	4.1	2.3	2.2	2.1	2.3	2.15	2.1	2.15	2.25	1.95	1.95

