



An Alliance with Hopkinsville Elevator Co.



Crop Nutrient Removal Chart - For Reference From A&L Labs

**CROP NUTRIENT USEAGE (LBS PER BU) BY CROP & ROTATION**

ROTATION	CROP / YIELD PER ACRE	Grain Only NUTRIENT REMOVAL				Grain + Stover / Straw TOTAL NUTRIENT UPTAKE			
		P205	K20	MG	S	P205	K20	MG	S
1 YEAR	50 CORN	20	13	4	4	30	65	11	9
1 YEAR	100 CORN	40	25	8	8	60	130	22	17
1 YEAR	150 CORN	60	45	12	12	90	195	33	26
1 YEAR	200 CORN	80	70	16	16	120	260	44	34
1 YEAR	80 W / 30 DCSB	75	77	20	14	94	200	34	32
1 YEAR	80 W / 50 DCSB	93	107	25	18	118	248	44	41
2 YEAR	80 W / 30 DCSB - 100 CORN	115	102	28	22	154	330	56	41
2 YEAR	80 W / 30 DCSB - 150 CORN	135	122	32	26	184	395	67	58
2 YEAR	80 W / 50 DCSB - 200 CORN	173	177	41	34	238	508	88	75
3 YEAR	80 W / 30 DCSB - 150 CORN - 150 CORN	195	167	44	38	274	590	100	84
3 YEAR	80 W / 30 DCSB - 200 CORN - 150 CORN	215	192	48	42	304	655	111	92
3 YEAR	80 W / 50 DCSB - 200 CORN - 150 CORN	233	222	53	46	328	703	121	101

**Pounds Nutrient Per Bushel**

CORN	0.40	0.25	0.08	0.08	0.60	1.30	0.22	0.17
WHEAT	0.60	0.40	0.14	0.10	0.72	1.60	0.24	0.23
SOYBEANS	0.90	1.50	0.28	0.20	1.20	2.40	0.50	0.45

CONVERSION FACTORS:

P = (PPM x 2) x 2.29 = OXIDE FORM

K = (PPM x 2) x 1.20 = OXIDE FORM