

Pounds of selected plant nutrients contained in crops. Adapted from "Our Land and Its Care," National Plant Food Institute, 1962.

CROP	NUTRIENT										
	N	P <sub>2</sub> O <sub>5</sub>	P	K <sub>2</sub> O	K	Ca	Mg	S	Cu	Mn	Zn
Barley <sup>1</sup> , 100 bu.											
grain	88	38	17	25	21	2.5	5	8	.08	.08	.15
straw	38	12	5	75	62	20	5	10	.02	.80	.12
Total	126	50	22	100	83	22.5	10	18	.10	.88	.27
Beans <sup>1</sup> , dry 100 bu.											
grain	248	83	36	83	69	7	7	17	.07	.10	.20
Corn <sup>1</sup> , 100 bu.											
grain	90	36	16	26	22	11	13	10	.04	.06	.10
stover	67	24	11	98	80	18	12	7	.03	1.00	.20
Total	157	60	27	124	102	29	25	17	.07	1.06	.30
Cotton											
Seed & lint, 1500 lbs.	40	20	9	15	12	2	4	2	.06	.11	.32
Stalks, leaves, burs, 2000 lbs.	35	10	4	35	29	28	8	.....	.....	.....	..
Total	75	30	13	50	41	30	12	2	....	....	..
Oats <sup>1</sup> , 100 bu.											
grain	62	25	11	20	18	2.5	4	6	.04	.15	.06
straw	30	20	9	100	83	8	10	10	.04	.....	.36
Total	92	45	20	120	101	10.5	14	16	.08	.15	.42
Potatoes, 100 bu. tubers	20	8	3	38	32	1	1.5	1.5	.01	.02	.01
Rice <sup>1</sup> , 100 bu. (rough)											
grain	62	25	12	12	10	4	5	4	.01	.10	.09
straw	38	12	5	88	73	11	6	.....	.....	2.0	..
Total	100	37	17	100	83	15	11	4	....	2.10	..
Sorghum <sup>1</sup> , 100 bu.											
grain	83	42	18	25	21	7	8	8	.02	.07	.07
stover	108	33	14	158	131	48	30	.....	.....	.....	..
Total	191	75	32	183	152	55	38	8	....	....	..
Soybeans <sup>1</sup> , 100 bu. grain	375	88	38	138	115	18	18	10	.10	.12	.10
Sugar beets, 1 ton beets	4	1.5	.6	3	2.5	2	1.5	.....	.....	.....	..
Tobacco											
Leaves, 1000 lbs.	38	8	3	60	50	38	9	7	.02	.28	.04
Stalks	18	8	3	25	21	.....	.....	.....	.....	.....	..
Total	56	16	6	85	71	38	9	7	....	....	..
Tomatoes, 1 ton fruit	6	2	.9	8	7	.5	.6	.7	.003	.005	.08
Wheat <sup>1</sup> , 100 bu.											
grain	125	38	17	38	32	2.5	15	8	.08	.22	.35
straw	50	12	5	88	73	15	8	12	.02	.40	.12
Total	175	50	22	126	105	17.5	23	20	.10	.62	.47
Alfalfa hay <sup>2</sup> 1 ton	45	10	4	45	37	28	5	5	.002	.11	.10
Clover hay <sup>2</sup> , 1 ton	40	10	4	40	33	28	7	3	.02	.20	.15
Timothy hay <sup>2</sup> , 1 ton	24	10	4	38	32	7	3	2	.01	.12	.08

<sup>1</sup> Grain crops cannot be compared on a bushel basis because the weight per bushel varies among crops.

<sup>2</sup> Composition, especially nitrogen, varies with maturity of the crop.