

AGRI FACTS

Crop Nutrient Utilization

	N	P ₂ O ₅	K ₂ O lb/A	Mg	S
Grain & Oil Crops					
Cotton					
1,000 lb/A	149	511	33	32	28
1,500 lb/A	180	63	150	35	30
Corn					
100 bu/A	150	60	125	30	18
150 bu/A	220	80	195	40	25
180 bu/A	240	100	240	50	30
200 bu/A	266	114	266	65	33
Grain Sorghum					
8,000 lb/A	250	90	240	44	38
Oats					
100 bu/A	115	40	145	20	19
Peanuts*					
4,000 lb/A	240	39	185	25	21
Rice					
7,000 lb/A	112	60	168	14	12
Soybeans*					
40 bu/A	224	53	97	18	17
60 bu/A	324	64	142	27	25
Wheat					
80 bu/A	166	54	184	24	20
Forages					
Alfalfa*					
4 tons/A	225	60	240	20	20
6 tons/A	335	80	360	30	30
8 tons/A	450	100	480	40	40
10 tons/A	600	140	600	53	51
Bermudagrass					
10 tons/A	500	140	420	50	40
Bromegrass					
5 tons/A	220	65	315	20	20
Clover* — Grass					
6 tons/A	300	90	360	30	30
Corn Silage					
32 tons/A	266	114	266	65	33

	N	P ₂ O ₅	K ₂ O lb/A	Mg	S
Fescue 3.5 tons/A	135	65	185	13	20
Orchardgrass 6 tons/A	300	100	375	25	35
Pangola Grass 11.8 tons/A	299	108	430	67	46
Pensacola Bahia 7 tons/A	303	87	242	35	27
Ryegrass 5 tons/A	215	85	240	40	60
Sorghum-Sudan 8 tons/A	319	122	467	47	60
Other Crops					
Burley Tobacco 4,000 lb/A	290	37	321	33	24
Flue-cured Tobacco 3,000 lb/A	126	26	257	24	19
Sugar Beets 30 tons/A	255	40	550	80	45
Sugarcane 50 tons/A	210	100	330	28	25
Fruit & Vegetable Crops					
Apples 250 cwt/A	100	46	180	24	30
Bell Peppers 180 cwt/A	137	52	217	43	30
Cabbage 700 cwt/A	270	63	249	36	64
Cucumbers 10 tons/A	90	28	174	25	30
Irish Potatoes 500 cwt/A	269	90	546	50	22
Onions 600 cwt/A	180	80	160	18	37
Oranges 540 cwt/A	265	55	330	38	28
Peaches 600 bu/A	95	40	120	22	30
Peas 25 cwt/A	164	35	105	18	20
Snap Beans 4 tons/A	138	33	163	17	20
Sweet Corn 90 cwt/A	140	47	136	20	11
Sweet Potatoes 300 cwt/A	156	69	313	18	20
Table Beets 500 cwt/A	360	43	580	104	41
Tomatoes 600 cwt/A	180	48	336	28	41

* Most of the N requirement is supplied by N-fixing bacteria.
Note: To convert lb/A to kg/ha, multiply lb/A by 1.12.