

Nutrient Recommendations for Field Crops in Michigan

Table 3. Nutrient removal in harvest portion of several Michigan field crops.

Crop	Unit	N	P ₂ O ₅	K ₂ O
		- - - - - lb/unit of yield - - - - -		
Alfalfa (Hay)	ton	45	13.0	50.0
(Haylage)	ton	14	3.2	12.0
Barley (Grain)	bu	0.88	0.38	0.25
(Straw)	ton	13	3.2	52
Beans (dry edible) (Grain)	cwt	3.6	1.2	1.6
Bromegrass (Hay)	ton	33	13	51
Buckwheat (Grain)	bu	1.7	0.25	0.25
Canola (Grain)	bu	1.9	0.91	0.46
Clover (Hay)	ton	40	10	40
Clover-grass (Hay)	ton	41	13	39
Corn (Grain)	bu	0.90	0.37	0.27
(Stover)	ton	22.0	8.2	32.0
(Silage)	ton	9.4	3.30	8.00
Millet (Grain)	bu	1.1	0.25	0.25
Oats (Grain)	bu	0.62	0.25	0.19
(Straw)	ton	13	2.8	57
Orchardgrass (Hay)	ton	50	17	62
Potato (Tubers)	cwt	0.33	0.13	0.63
Rye (Grain)	bu	1.1	0.41	0.31
(Straw)	ton	8.6	3.7	21
(Silage)	ton	3.5	1.5	5.2
Sorghum (Grain)	bu	1.1	0.39	0.39
Sorghum-Sudangrass (Hay)	ton	40	15	58
Sorghum-Sudangrass (Haylage)	ton	12	4.6	18
Soybean (Grain)	bu	3.8	0.80	1.40
Spelts (Grain)	bu	1.2	0.38	0.25
Sugar beets (Roots)	ton	4.0	1.3	3.3
Sunflower (Grain)	bu	2.5	1.2	1.6
Timothy (Hay)	ton	45	17	62
Trefoil (Hay)	ton	48	12	42
Wheat (Grain)	bu	1.2	0.63	0.37
(Straw)	ton	13.0	3.3	23