Appendix C, Table 1 of rule 901:10-2-14: Nutrients removed in harvested portions of crops.

Crop	Units	Pounds of Nutrients Removed for Unit Yield		
		N	P_2O_5	K_2O
Alfalfa (100% Dry Matter)	Lbs./Ton	(a)	12.0	49.0
Barley				
Grain	Lbs./Bushel	0.94	0.39	0.51
Straw	Lbs./Ton	14.7	3.4	48.7
Corn				
Grain	Lbs./Bushel	0.74(b)	0.35	0.20
Stover	Lbs./Ton	18.9	6.3	32.6
Corn Silage (35% Dry Matter)	Lbs./Ton	9.4(b)	3.1	7.3
Cool Season Grass Hay (90% DM)	Lbs./Ton	35.4	12.0	48.1
Oats				
Grain	Lbs./Bushel	0.65	0.36	0.44
Straw	Lbs./Ton	14.2	3.7	51.0
Rye				
Grain	Lbs./Bushel	4.72	0.48	0.60
Straw	Lbs./Ton	11.3	3.1	22.9
Ryelage (100% Dry Matter)	Lbs./Ton	52.0	18.0	75
Sorghum-Grain	Lbs./Bushel	0.92	0.39	0.39
Sudan/Sorghum – sudangrass hay (90% Dry Matter)	Lbs./Ton	30.7	9.4	45.1
Sudan/Sorghum – sudangrass silage (35% Dry Matter)	Lbs./Ton	36.1	12.5	57.6
Soybeans	Lbs./Bushel	(a)	0.80	1.15
Wheat				
Grain	Lbs./Bushel	0.96(c)	0.50	0.25
Straw	Lbs./Ton	0.4	3.7	29.0

Sources:

- Ohio State University Extension Fact Sheet ANR-96 (April 13, 2021)
- Ohio State University Extension Fact Sheet ANR-74 (June 14, 2019).
- Ohio State University Agronomy Guide, 15th Edition – Bulletin 472 (2017)
- University of Wisconsin Extension, Planting Winter Rye after Corn Silage: Managing for Forage (Stute, et al, 2007)

Notes:

(a) Reference OAC 901:10-2-14(D)(2)(d). Inoculated legumes fix nitrogen from the air, 150 lbs. of N/acre maximum applied per year.

(b) Reference OAC 901:10-2-14(D)(2)(d) and Appendix C, Table 2 of OAC 901:10-2-14 for corn recommended N rates. 220 lbs. N/acre maximum applied per year.

(c) Reference OAC 901:10-2-14(D)(2)(d) and Appendix C, Table 3 of OAC 901:10-2-14 for wheat recommended N rates. 120 lbs. N/acre maximum applied per year.