


Nutrients Removed by Crop at Harvest

	P₂O₅	K₂O
	lb per yield unit	
Alfalfa / Red Clover , per ton (dry matter)	13	60
Barley ,		
Grain, per bu (1 bu = 48 lb @ 14.5% moisture)	0.40	0.35
Straw, per ton (dry matter)	10	32
Corn		
Grain per bu (1 bu = 56 lb @ 15.5% moisture)	0.38	0.29
Silage, per ton (65% moisture)	3.6	8.3
Sweet, per ton (fresh)	3.3	6.0
Oatlage , per ton (dry matter)	11	44
Oats		
Grain, per bu/a (1 bu = 32 lb @ 14% moisture)	0.29	0.19
Straw, per ton (dry matter)	9.4	47
Rye		
Grain, per bu/a (1 bu = 56 lb @ 14% moisture)	0.41	0.31
Straw, per ton (dry matter)	3.7	21
Sorghum-Sudan , Forage, per ton (65% moisture)	15	60
Soybean		
Grain, per bu (1 bu = 60 lb @ 13% moisture)	0.80	1.4
Straw, per ton (dry matter)	5.4	19
Wheat		
Grain, per bu (1 bu = 60 lb @ 13.5% moisture)	0.50	0.35
Straw, per ton (dry matter)	6.0	28

Fertilizer Removal Costs of Typical Crops Harvested

Crop	Yield/Acre	Costs/Acre*		
		P ₂ O ₅	K ₂ O	Total
Oat Straw	1.5 Tons DM	\$6.35	\$ 38.78	\$ 45.13
Wheat Straw	2 Ton DM	\$5.40	\$ 30.80	\$ 36.20
Alfalfa	4 Tons DM	\$23.40	\$132.00	\$155.40
Corn Silage	18 Tons (65% moisture)	\$29.16	\$82.17	\$111.33
*Fertilizer Price Assumptions (8/1/09) 0-0-60 (potash) / \$650/Ton—55 cents per lb of K ₂ O 46-0-0 (Urea) / \$400/Ton—43 cents per lb of N. 11-49-0 (MAP) / \$450/Ton—45 cents per lbs of P ₂ O ₅		 5 University Drive Sheboygan, WI 53081 (920) 459-5904		
Cost estimates do not include any micro-nutrients removed in harvesting.				