

Plant Nutrient Use

by Dr. Leon McIntyre

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| Cool Season Legumes & Grass | <u>N</u> | <u>P*</u> | <u>K**</u> |
| Alfalfa/ton hay | - | 10 | 50 |
| Smooth Bromegrass/ton hay | 40 | 12 | 44 |
| Tall Fescue/ton hay | 42 | 14 | 47 |
| Orchardgrass/ton hay | 45 | 14 | 55 |
| Red Clover/ton hay | - | 13 | 45 |
| Timothy/ton hay | 36 | 14 | 56 |
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| <u>Warm Season Grass</u> | <u>N</u> | <u>P</u> | <u>K</u> |
| Switch Grass/ton hay | 25 | 5 | 12 |
| Big Bluestem/ton hay | 25 | 5 | 12 |
| Indiangrass/ton hay | 25 | 5 | 12 |
| Caucasian Bluestem/ton hay | 25 | 5 | 12 |
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| <u>Grain Crops</u> | <u>N</u> | <u>P</u> | <u>K</u> |
| Corn (grain) per bushel | 1.50 | 0.45 | 0.30 |
| Soybeans (grain) per bushel | - | 0.84 | 1.44 |
| Wheat (grain) per bushel | 1.50 | 0.60 | 0.30 |
| Grain Sorghum | 1.50 | 0.52 | 0.34 |

* Phosphorus is pounds of P205

** Potassium is pounds of K20