

samples would have to be analyzed for 2003. Past sampling indicates that 1-ton of chicken manure equals about 7-tons of cow manure for total nitrogen. It would be best to compare the results over two growing seasons, i.e. 2003-04. The rye/clover stand would be better established and the manure nutrients would be more completely released during the second growing season.

Some important observations were made with regard to extended grazing and it's value to a cow/calf operation. In the study area, the more productive sections provided enough regrowth after the July mowing for some late grazing. In addition, on another farm that I've been working for 10+ years, there was 25 acres of excellent regrowth after the hay crop was removed in early-mid July. This forage went unutilized because of the logistics of moving the herd for two additional weeks of grazing. If all of this acreage and forage production were in closer proximity, grazing could have extended past mid-November. This is something that is rare in Northern Maine. The brassicas crop, had it succeeded, would have been a short term "stepping stone" to more productive pastures, the ultimate goal. With ample acreage, strong production and careful management, grazing beef cattle in this region may well be possible into December. If the cost savings of 1 month of extended grazing is applied to the pounds of calves weaned, its value based on a rough estimate would be about .03 cents per pound. Who wouldn't want that?

10. David M. Potter

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LIST OF PLANT SPECIES

	<u>Common Name</u>	<u>Scientific Name</u>
1.	Timothy	<i>Phleum pratense</i>
2.	Birdsfoot Trefoil	<i>Lotus corniculatus</i>
3.	Red Clover	<i>Trifolium pratense</i>
4.	Hop Clover	<i>T. agrarium</i>
5.	Cow Vetch	<i>Vicia cracca</i>
6.	Common Dandelion	<i>Taraxacum officinale</i>
7.	Wild Strawberry	<i>Fragaria virginiana</i>
8.	Wild Red Raspberry	<i>Rubus idaeus</i>
9.	Orange Hawkweed	<i>Hieracium aurantiacum</i>
10.	Mouse Ear	<i>H. pilosella</i>
11.	New England Aster	<i>Aster novae-angliae</i>
12.	Pearly Everlasting	<i>Anaphalis margaritacea</i>
13.	Goldenrod	<i>Solidago sp.</i>
14.	Fireweed	<i>Epilobium augustifolium</i>
15.	Dogbane	<i>Apocynum sp.</i>