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Grasses have a high demand for nitrogen (Chass have trials have shown) that some grasses will respond in yield up to 300 and evelbe of actual N per acre per year. 7 K H H F R Q R P L F <sup>3</sup> E U H D N H Y H Q depends on the cost of N fertilizer and the value of the hay **Fro**phay, this is generally between 100 and 2009. N/acre split two to four times per year, depending of the particular grass specie, soil type and weather conditions. For pasture, the decision to apply N becomes more complicated are a few points

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to consider when making N fertilizer decisions.

- x A Management Tool- Think of N fertilizer as a shoretm management tool for producing temporary increases in pasture dry matterapplied to grasusually shows an immediate response and then it is gon@RU \RXU IDUP \RX PD\ GHFLGH WKDW \RX C only want to use it on certain as for certain times of the year.
- x Stocking rate ±A farm should consider if the yeed the extra forage that will beduced by adding N fertilizer. Some farms have moheand than their animals need anothling N would just add to the paste waste. On the other handf the operation is stocked right that point where most summer production becomes limitthen N fertility may be an option to increase forage dry matter.
- x Legume content- Yields from legume forages such as clover, alfalfa birdsfoottrefoil are usually not limited by a lack of nitrogregatilizer VLQFH WKH\ 3 IL['If1palstulrRillPasVbVVksrl+30123 Lebyluniteis less likely to see a yield increase by adding additional N fertilizerfact, continual additions of N will cause a



To apply50 lbs. of N, divide by the %

N in the formula. For instance, urea is 4060; therefore one would need to apply 109 lbs (50 divided by 0.46) to get 500s. N per acre

 $\boldsymbol{x}$  When to Apply N and When to Graze- If the pasture