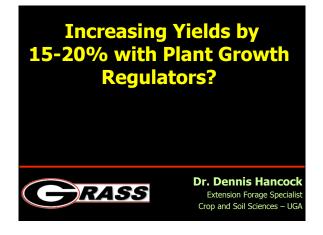
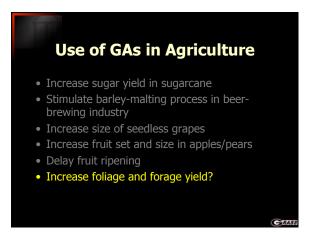
Advanced Grazing School:

Increasing Yields by 15-20% with Plant Growth Regulators?





Gibberellins are Derived from Gibberella fujikuroi fungus



Use of GAs for Forage Management is NOT New. Review by Matthew et al., 2009 (NZ J. Ag Res.): 13 studies around the world Yield responses generally 8-20% inc. in yield These studies included rates of 0.6 – 10 oz. GA₃/acre Current product recommended rate range: 0.3 – 1.0 oz./acre Cost of producing GA₃ is much lower now.

GA₃ Available As:

VALENT

RYZUD

SMARTGRASS

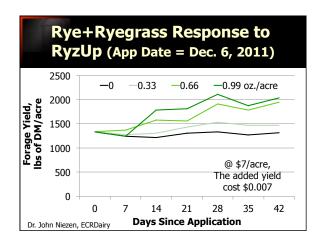
© 2015

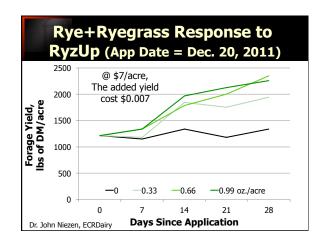
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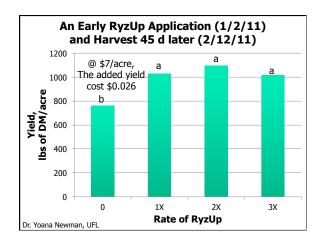
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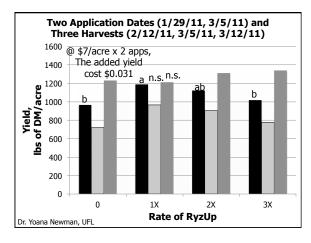
Increasing Yields by 15-20% with Plant Growth Regulators?



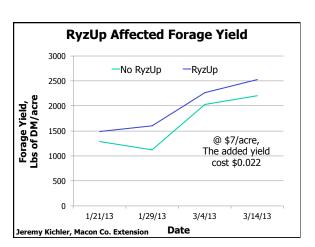








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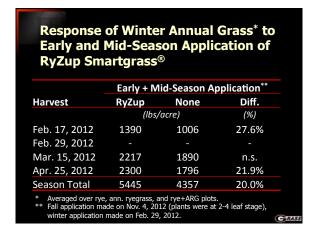


Advanced Grazing School:

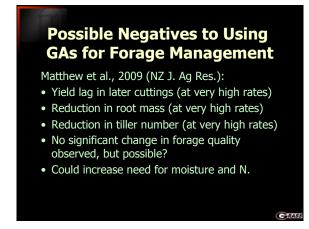
Increasing Yields by 15-20% with Plant Growth Regulators?



Response of Winter Annual Grass* to Mid-Season Application of RyZup Smartgrass®			
	Mid-Season Application**		
Harvest	RyZup	None	Diff.
	(lbs/acre)		(%)
Feb. 17, 2012			
Feb. 29, 2012	2038	1990	n.s.
Mar. 15, 2012	2366	2286	n.s.
Apr. 25, 2012	2684	2366	11.80%
Season Total	4831	4454	n.s.
* Averaged over ry ** Winter application			plots.



Possible Negatives to Using GAs for Forage Management Matthew et al., 2009 (NZ J. Ag Res.): Really only works if inducing the plant to grow when it wouldn't ordinarily (e.g., winter, late fall) No benefit to adding if plant is already growing at max growth rate. Not all grass species respond similarly Small grains > ann. ryegrass > tall fescue Reduces nodulation in legumes





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