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Make Sure You are Getting Advice and Grass Seed from a Reputable Supplier...

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The Benefits of a Grass/Alfalfa Mix — Fiber Digestibility

• Grass and Legume Mixtures have More Total Fiber Compared to Alfalfa Alone

• Grass has a Higher Proportion of Digestible Fiber than Either Alfalfa or Corn Silage Alone

• Grass Can be a Good Fit with High Corn Silage Rations Which Tend to be Lower in Fiber and Higher in Non-Fiber Carbohydrates (Grain Portion)

Source: Growing High-Quality Grasses for Dairy Rations Requires Attention to Detail available at https://lvi.estension.wisc.edu/foraee/stowing-hish-quality-grass-for-diary-rations-requires-attention-to-detail/

Italian Ryegrass Impact on Quality compared to Alfalfa

Chart 2. Composition of Pure Alfalfa and Alfalfa with 37% Italian Ryegrass

Open Alfalfa with 130m

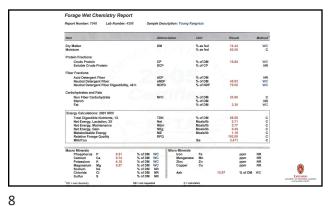
Pyegrass

Open Alfalfa

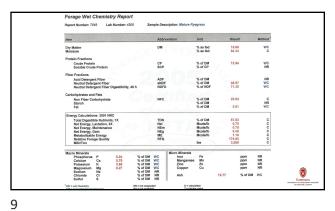
Source: Italian Ryegrass as a Companion for Alfalfa Seeding

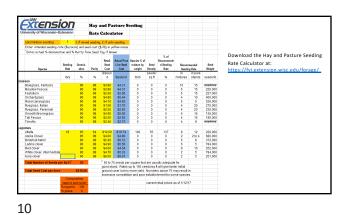
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Italian Ryegrass Seeded into Damaged Alfalfa 7-13-2005 Seymour, WI – Outagamie County

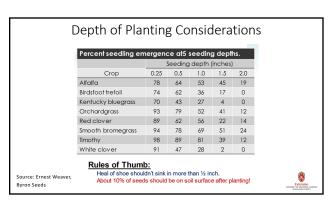


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Be Aware that Different Varieties Can Behave Quite Differently During the Growing Season

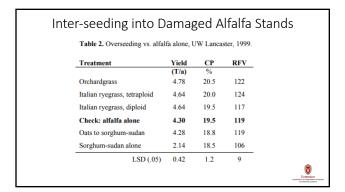


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	ates for Frost	Seeding into an i	Existing Grass or Legume So
	Rate (lb./acre)		Expected Established Plants*
Species	Seeded Alone	As Part of Seed Mixture	Plants per square foot
Red Clover	4 - 8	3 - 4	2 - 5
Birdsfoot Trefoil	4 - 6	2 - 3	6 - 9 (in 2nd year)
Alfalfa	5 - 8	3 - 4	4 - 6
Ladino Clover	2 - 3	1 - 2	1-2
Alsike Clover	2 - 4	1 - 2	2-3
Perennial / Italian Ryegrass	8- 15**	2-3	10 - 12
Orchardgrass	3 - 4	1 - 2	4
Tall Fescue	6-8	3 - 4	3 - 4
Smooth Bromegrass	Not recommended for frost seeding		
Reed Canarygrass	Not recommended for frost seeding		
Timothy	Not recommended for frost seeding		
Expected plants based on "alone" " Use higher rate in "bare ground"			

Inter-seeding into Damaged Alfalfa Stands Table 1. Overseeding to increase yield of thinned alfalfa stands, UW Lancaster, 1997 - 1999. Treatment Yield CP ADF NDF RFV Orchardgrass 3.98 20.8 32.9 45.5 129 Italian ryegrass, diploid 3.92 20.4 33.0 45.5 129 Italian ryegrass, tetraploid 3.86 21.2 32.5 44.3 Oats to sorghum-sudan 3.83 19.9 33.2 46.9 125 Sorghum-sudan alone 1.95 17.4 34.4 56.8 102 LSD (.05) 0.29 0.8 1.3 1.7

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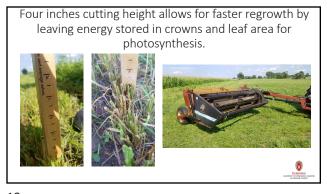
Inter-seeding into Damaged Alfalfa Stands Table 3. Seeding & fertility information for overseeding other forage species into a thin alfalfa stand. Seeding Rate*, Seeding Depth, Fertility inches Requirements Forage lbs./acre Orchardgrass .25 - .75 40-60 lbs. N 5 - 10Italian ryegrasses 5 – 10 .25 - .75 40 - 60 lbs. N Red Clover 6 - 10.25 - .75 Inoculate 50 - 75 1.0 - 2.0 40 - 60 lbs. N Oats Sorghum-sudangrass 20-30 1.0-2.0 50-75lbs. N * Actual seeding rate used depends on seeding method—broadcast seeding should use higher rates.

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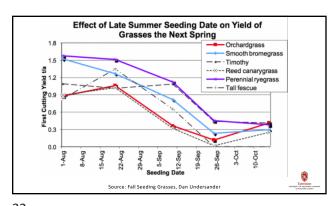
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