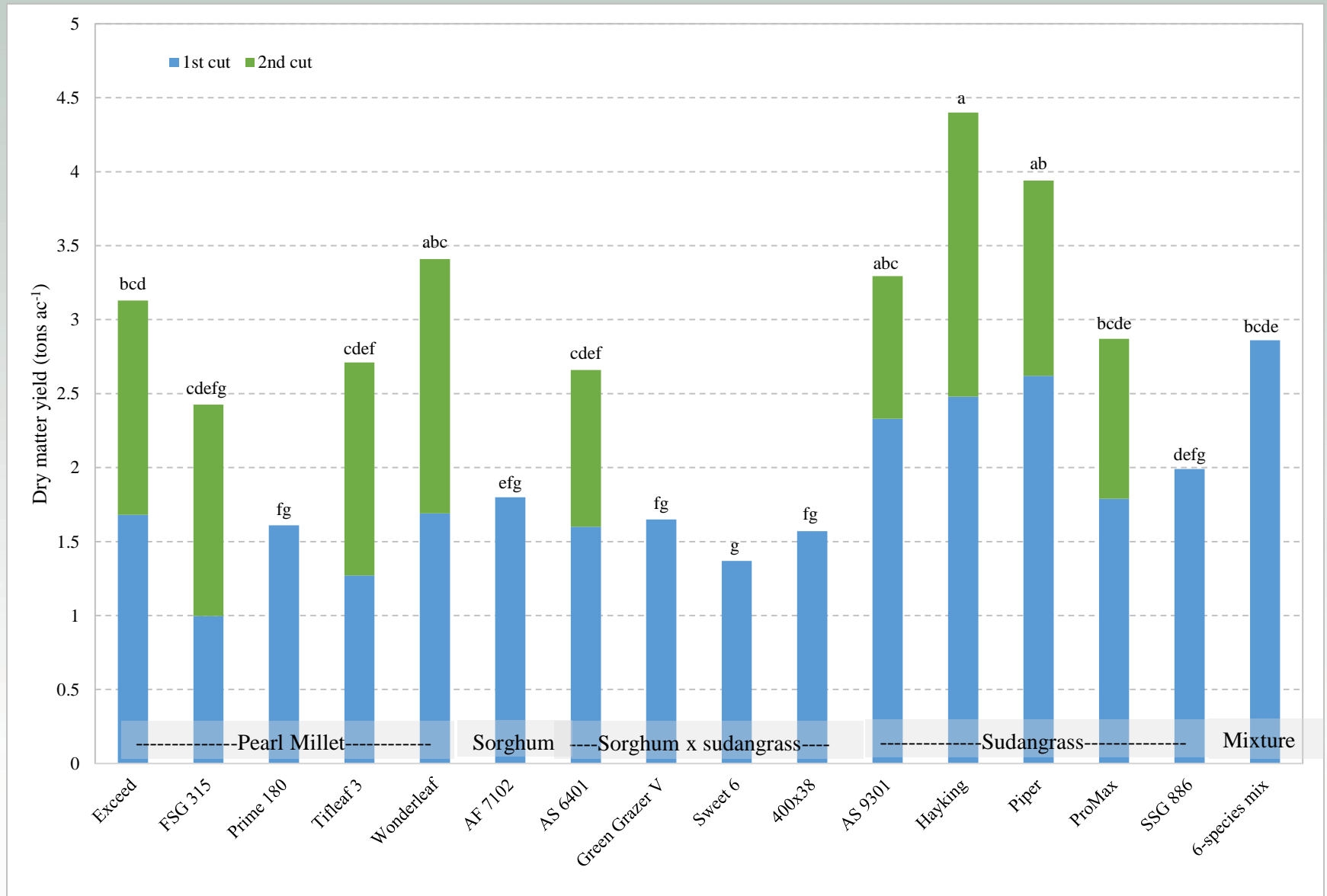


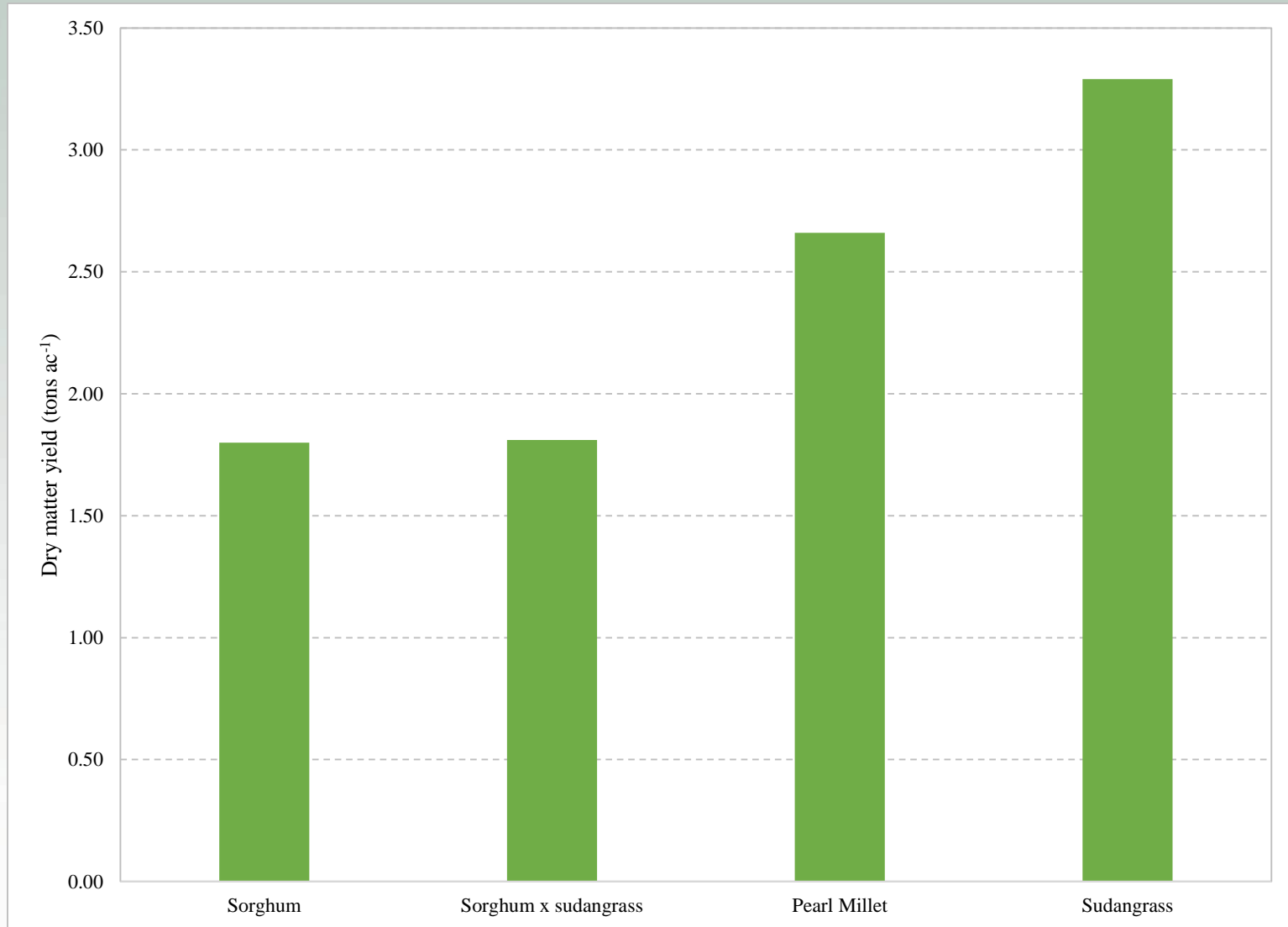
Research Updates

Dr. Heather Darby UVM Extension Agronomist
Sara Ziegler, Abha Gupta, Erica Cummings, Lindsey Ruhl

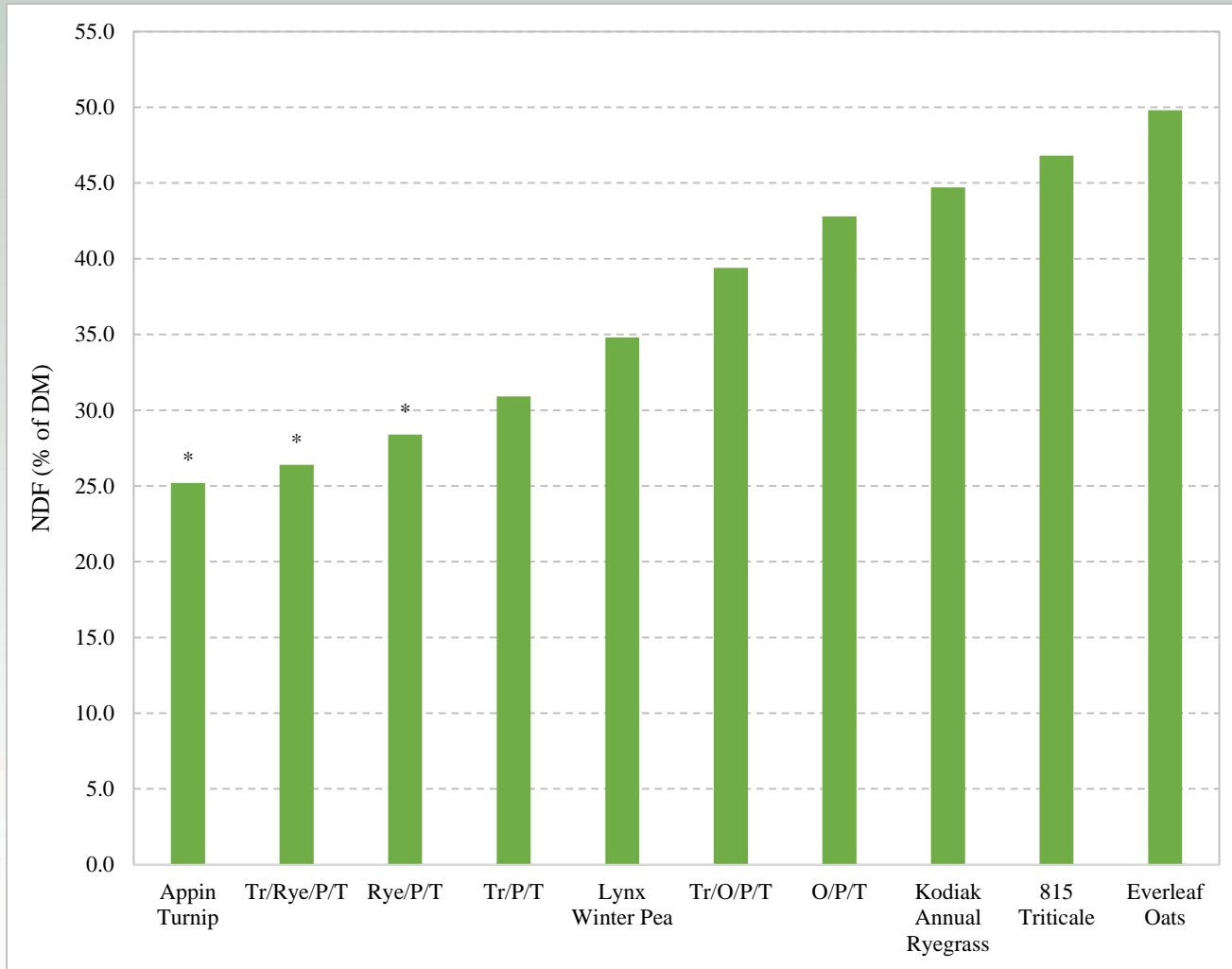
Summer annual dry matter yields, 2017



Summer annual yields by species, 2017



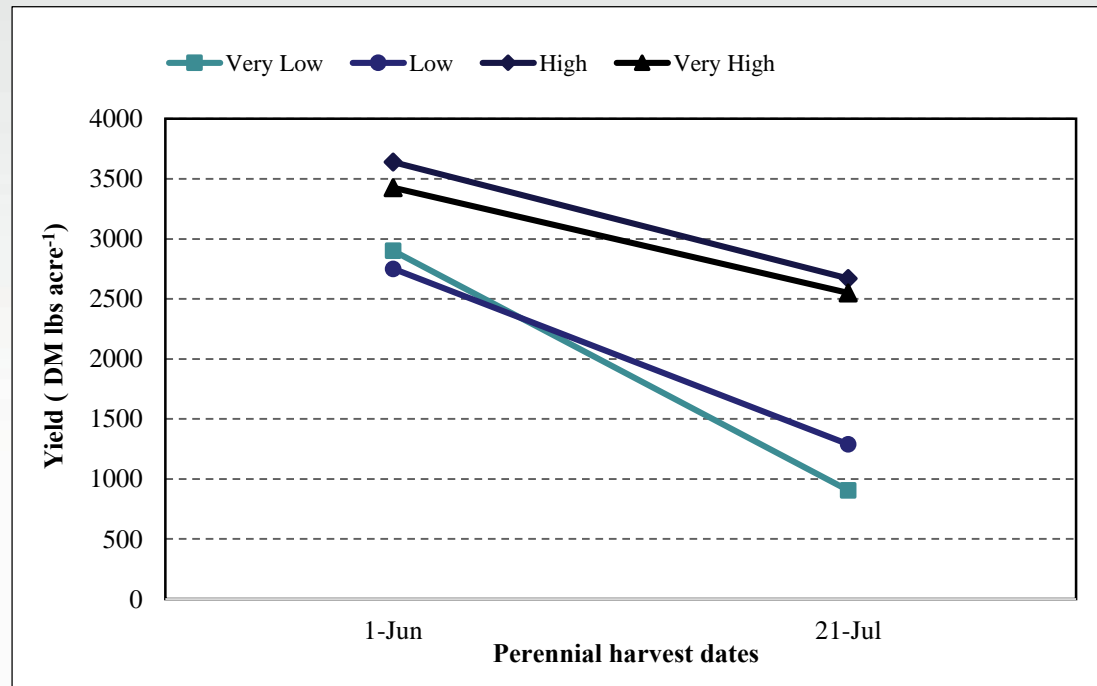
NDF content of annual forage mixtures, 2017



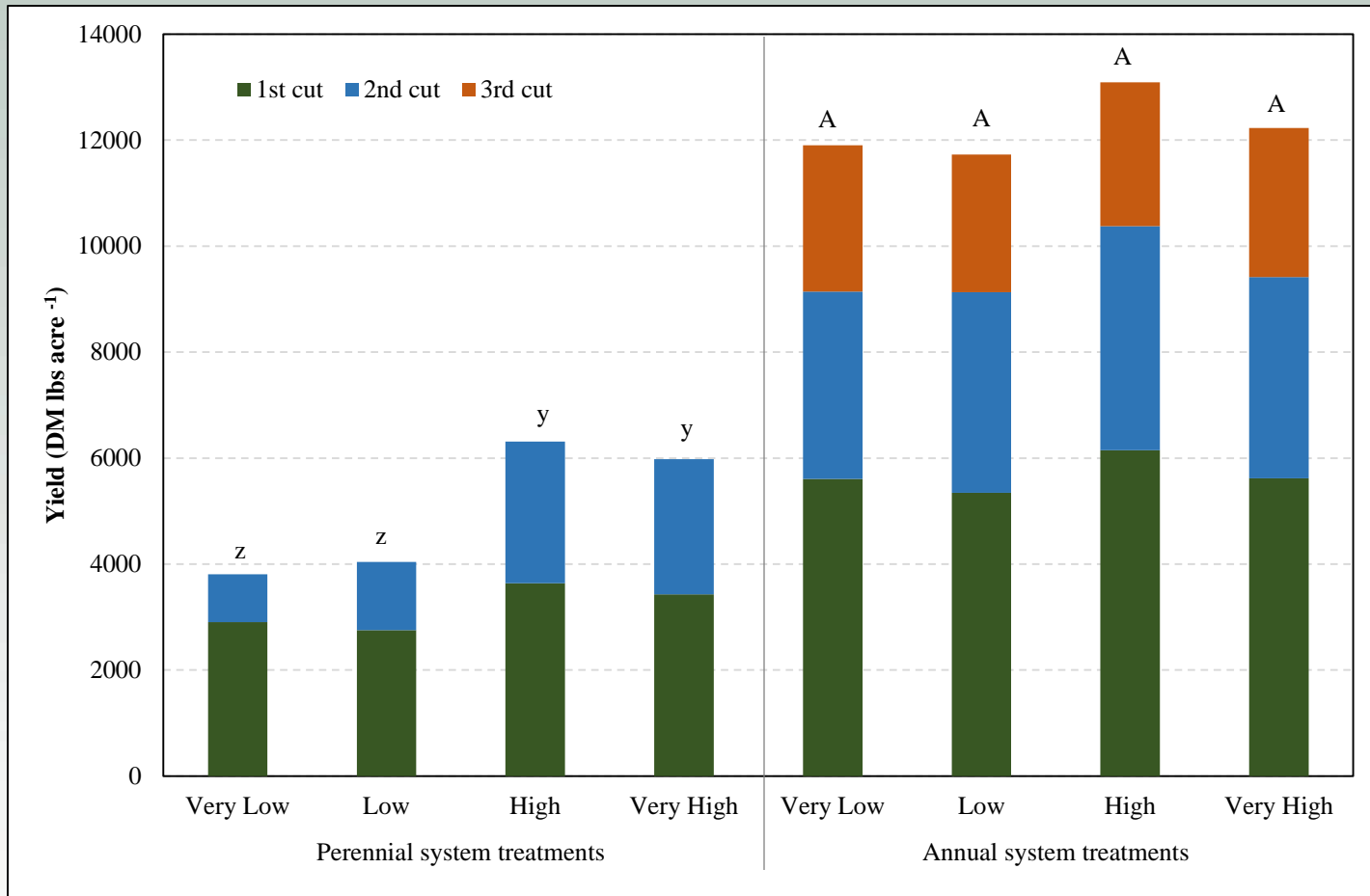
Abbreviation	Variety and Species	Seeding rate	
		Alone	Mixture
O/P/T	Everleaf Oats	125	75
	Lynx Peas	60	60
	Appin Turnip	6	5
Tr/P/T	815 Triticale	125	75
	Lynx Peas	60	60
	Appin Turnip	6	5
Rye/P/T	Kodiak Ryegrass	30	30
	Lynx Peas	60	30
	Appin Turnip	6	5
Tr/O/P/T	815 Triticale	125	50
	Everleaf Oats	125	50
	Lynx Peas	60	50
	Appin Turnip	6	5
Tr/Rye/P/T	815 Triticale	125	60
	Kodiak Ryegrass	30	20
	Lynx Peas	60	30
	Appin Turnip	6	5

Forage Intercropping Resiliency Experiment

	Very Low (1 var.)	Low (4 vars.)	High (1 var./species)	Very High (4 vars./species)
Perennial	alfalfa	alfalfa	alfalfa orchardgrass timothy white clover	alfalfa orchardgrass timothy clover
Annual: Cool Season	triticale	triticale	triticale cereal rye red clover winter pea	triticale cereal rye red clover winter pea
Annual: Warm Season	sudangrass	sudangrass	sudangrass pearl millet sorghum sudangrass ryegrass	sudangrass pearl millet sorghum sudangrass ryegrass



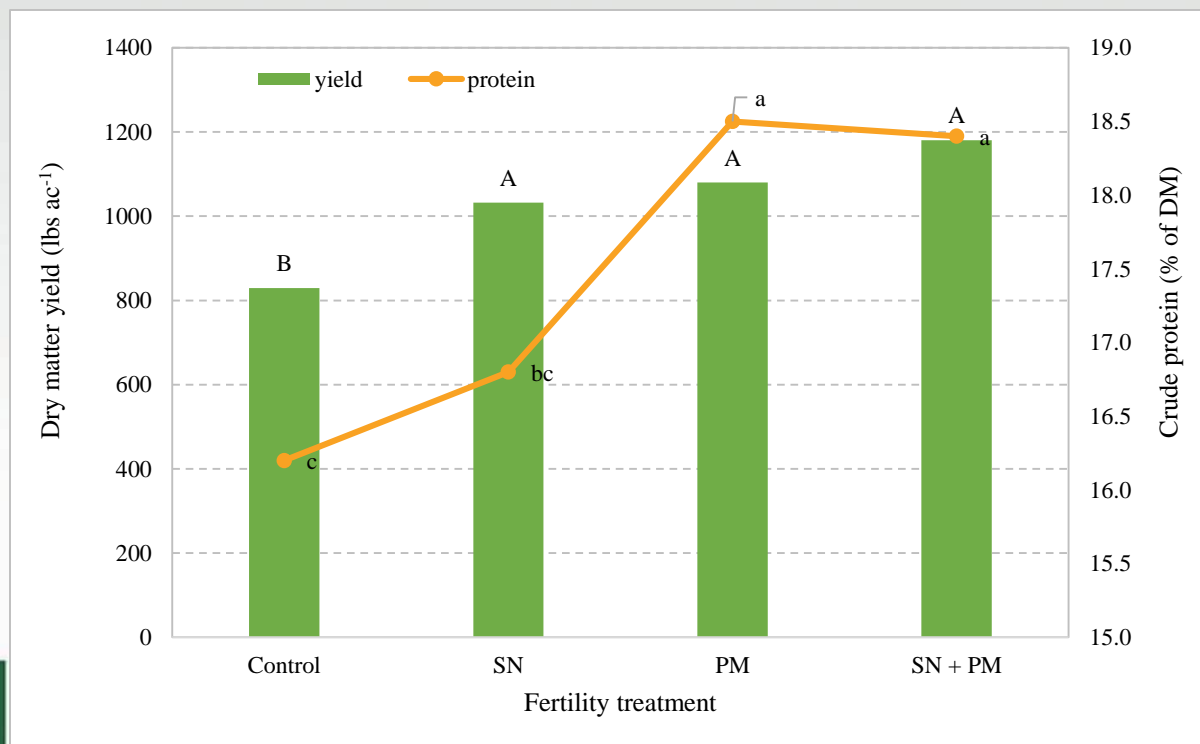
Forage Intercropping Resiliency Experiment – total dry matter yields, 2017



Treatment	Dry matter (DM) yield	
	Perennial	Annual
Very Low	3808	11899
Low	4041	11724
High	6310	13087
Very High	5977*	12226
LSD (p = 0.10)	836.0	NS
Trial mean	5034	12234

Pasture productivity under varying fertility strategies, 2017

Treatment	Product rate	Nitrogen rate	Phosphorus rate	Potassium rate
	lbs ac ⁻¹	lbs ac ⁻¹	lbs ac ⁻¹	lbs ac ⁻¹
Sodium nitrate 15-0-2	193	29.0	0	4
Kreher's poultry manure 5-4-3	1438	71.9	57.5	43.1
Sodium nitrate 16-0-0 AND Kreher's poultry manure 5-4-3	193	29.0	0	4
Control	None	None	None	None



Perennial forage yields by species 2016 and 2017

