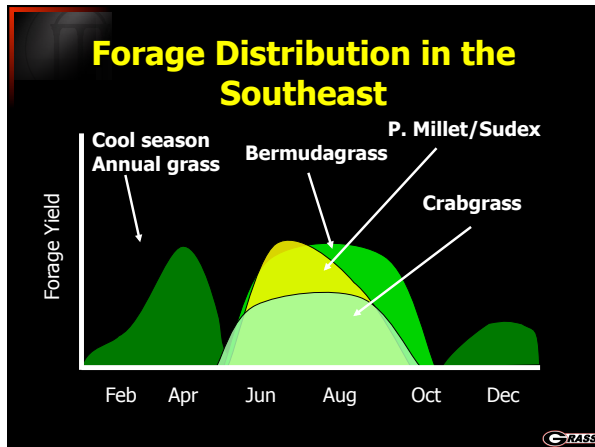
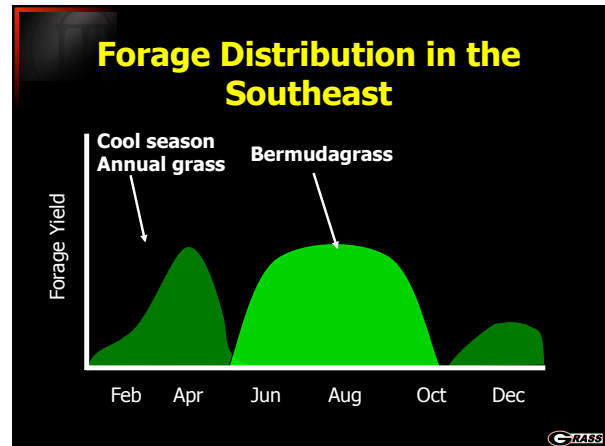


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Overview of Forage Systems for Yearlings



Dual Forage System

- Using both in some proportion:
 - 50%:50%
 - 60%:40%
 - 75%:25%
- Eases the transitional periods
- Proportion (ratio) depends upon timing of animal needs.



Winter Annual Forage Quality

Species	Crude Protein	Total Digestible Nutrients	Annual Yield*
	----- % -----		lbs DM/acre
Ryegrass	10-20	56-74	10,630
Oats	8-14	55-70	7,100
Wheat	8-14	52-70	7,110
Rye	8-14	50-70	4,850
Arrowleaf	14-17	56-75	3,470
Crimson	14-16	57-75	3,570

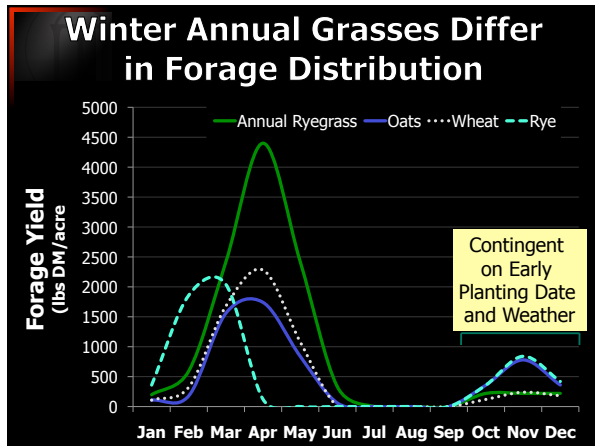
Quality ranges are approximate and are highly dependant upon forage maturity at grazing/harvest. Yields are 3-yr averages from GA and AL.

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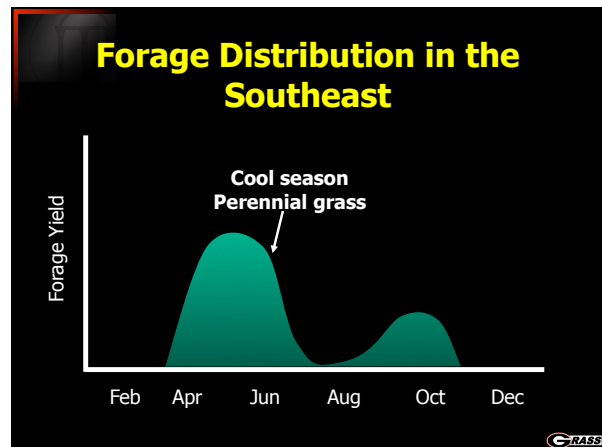
Overview of Forage Systems for Yearlings



Baled Silage – An Option for Harvesting High Quality

Treatment	CP	TDN	RFQ	ADG
	%	%		(lbs/hd/d)
Bermuda Hay	16.1 a	62.9 b	116 c	1.56 b
Ryegrass Baleage	16.3 a	65.9 a	174 a	1.94 a
Ryegrass Hay	14.7 b	62.4 c	133 b	1.26 b
LSD _{0.10}	0.22	0.35	3.2	0.341

GRASS



Tall Fescue

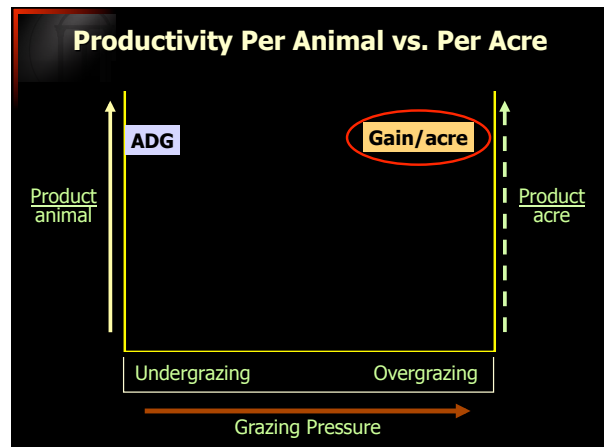
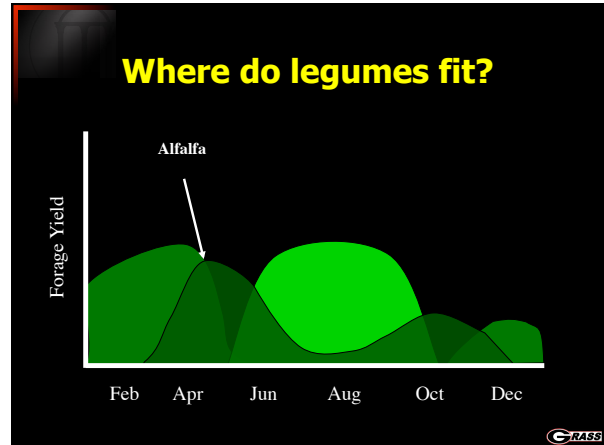
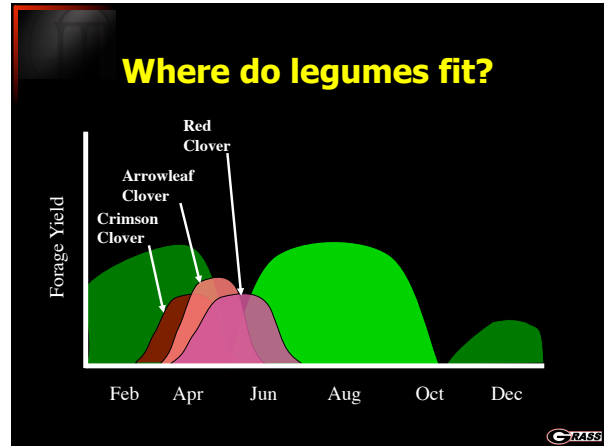
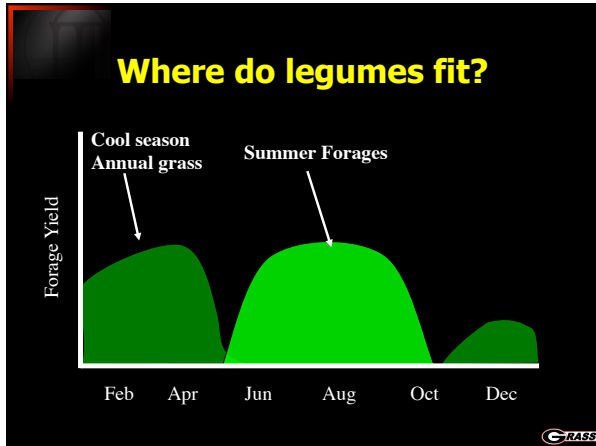
- Most widely used forage grass in the U.S.
 - High yields and persistent.
- Endophytic fungus produces toxic alkaloids
 - Fescue toxicosis
 - Alkaloids aid drought tolerance and persistence
- Novel Endophyte TF gives persistence benefit w/o toxicosis problems.



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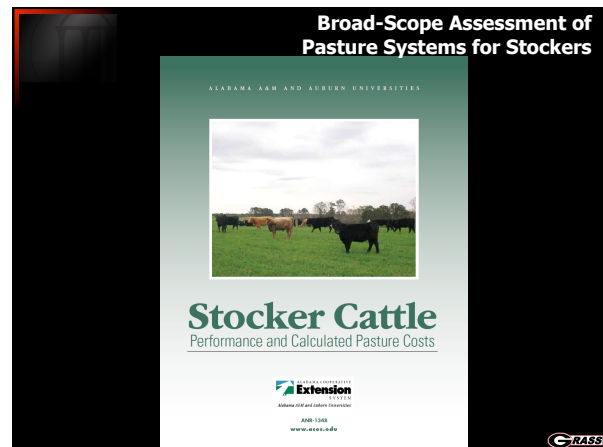
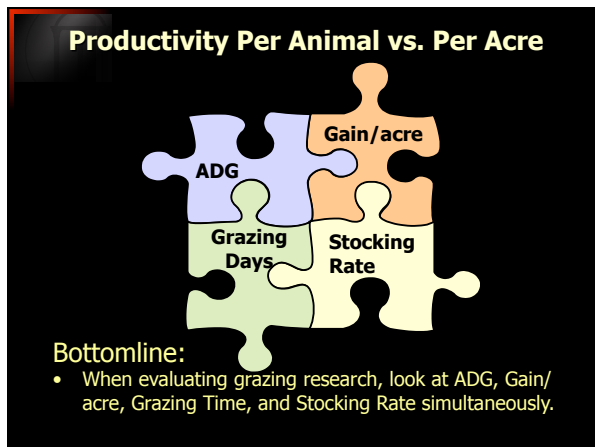
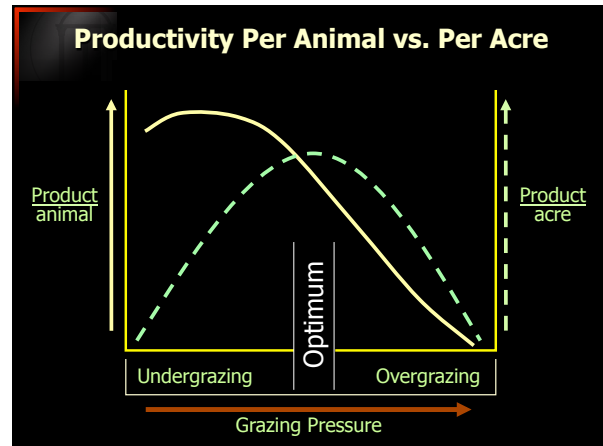
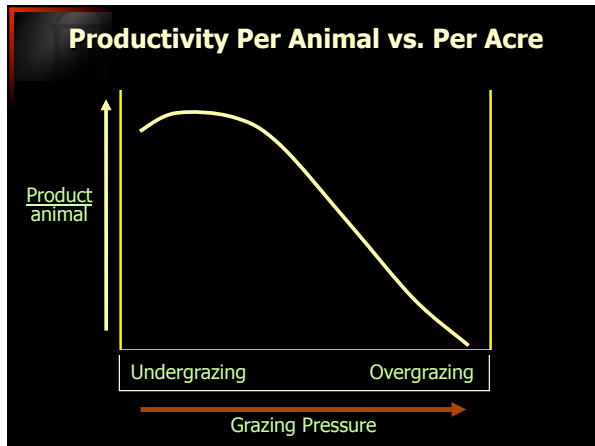
Overview of Forage Systems for Yearlings



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Overview of Forage Systems for Yearlings



Forage Systems with Highest ADG

Rank	Forage System	ADG (lbs)
1	NE Tall Fescue w/White Clover	2.61
2	Alfalfa	2.16
3	EF Tall Fescue (≈ NE)	2.13
4	Sericea Lespedeza (cont.)	1.87
5	Orchardgrass w/Ladino	1.83
6	Orchardgrass	1.77
7	Sericea Lespedeza (rotat.)	1.65
8	Oats & Crimson Clover	1.60
9	Rye, Ryegrass & Crimson Clover	1.57
10	Tall Fescue w/Ladino Clover	1.53

Adapted from Ball and Prevatt (2009) and other studies presented herein.

GRASS

Forage Systems with Highest ADG

High ADG ≠ High Profitability

1	Tall Fescue (NE + White Clover)	2.61
2	Alfalfa	2.16
3	Tall Fescue (endo. free = NE)	2.13
4	Sericea Lespedeza (cont.)	1.87
5	Orchardgrass w/Ladino	1.83
6	Orchardgrass	1.77
7	Sericea Lespedeza (rotat.)	1.65
8	Oats & Crimson Clover	1.60
9	Rye, Ryegrass & Crimson Clover	1.57
10	Tall Fescue w/Ladino Clover	1.53

Production is vanity... Profit is sanity!

Adapted from Ball and Prevatt (2009) and other studies presented herein.

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Overview of Forage Systems for Yearlings

Forage Systems with Lowest Cost

Rank	Forage System	Pasture Cost	
		\$/Ac	\$/lb
1	Tall fescue w/ladino	172.26	0.30
2	Orchardgrass w/ladino	172.08	0.30
3	Tall fescue w/BF trefoil	173.28	0.44
4	Bermudagrass w/h. vetch	230.75	0.47
5	Sericea lespedeza (cont.)	148.84	0.49
6	Sericea lespedeza (rotat.)	148.84	0.54
7	Sericea lespedeza (cont.)	148.84	0.60
8	Rye & ryegrass	318.34	0.60
9	Bermudagrass (hybrid)w/rye	328.35	0.62
10	Rye, oats & crimson clover	352.78	0.65

Source: Ball and Prevatt (2009).



Forage Systems with Lowest Cost

Low Cost ≠ High Profitability

Rank	Forage System	Pasture Cost	
		\$/Ac	\$/lb
1	Tall fescue w/ladino	172.26	0.30
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8	Rye & ryegrass	318.34	0.60
9	Bermudagrass w/rye	328.35	0.62
10	Rye, oats & crimson clover	352.78	0.65

You get what you pay for! (Usually.)

Source: Ball and Prevatt (2009).


Most Profitable (Generally) Forage Systems

Rank	Forage System
1	Tall fescue w/ladino
2	Orchardgrass w/ladino
3	Bermudagrass (Hybrid) + 320 lbs N
4	Rye, ryegrass & crimson clover
5	Bermudagrass w/vetch
6	Rye & ryegrass
7	EF Tall Fescue (= NE)
8	Bermudagrass w/rye
9	Bermudagrass (Hybrid)+ 160 lbs N
10	Oats & crimson clover

NE Tall fescue + w. clover

NE Tall fescue

Verify by using the costs per acre and estimates of gain per acre from Ball and Prevatt (2009) and market price for selling calves.




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Overview of Forage Systems for Yearlings

Alfalfa

Workshop/Field Days

May 10: Franklin Co.
(RSVP: Call Amanda @ 706-384-2843)






May 11: Floyd/Gordon Co.
(RSVP: Joan @ 706-629-8685)

May 12: Carroll Co.
(RSVP: Richard or Paula @ 770-836-8546)

June 2: Hall Co.
(RSVP: Becky @ 770-535-8293)

June 9: Putnam Co.
(RSVP: Call Lori Lee @ 706-485-4151)

**\$10 at the Door. Lunch and
reference materials provided.**

More Info @ www.georgiaforages.com



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Grand Prizes:
Use of a new Massey Ferguson FX Series Rotary Rake or DM Series Professional Disc Mower for 2017 season and \$1000 cash prize!

Individual category prizes:
Nine individual categories will be awarded for top quality hay and baleage samples!

Entry Deadline: September 22, 2016

Contest winners will be announced at the Sunbelt Ag Expo Oct. 18-20, 2016!

For contest rules, entry form and more information scan the QR code below with your smart device or go to: bit.ly/SEHayContest








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Title	Document Type
UPCOMING - Georgia Grazing School - 2016	PDF
NEW! - 2016 Southeast Hay Contest Rules and Entry Form	PDF
NEW! - Georgia Forages.com Update Email - September 2015	PDF
Stocking TM Pasture for Fall and Winter Grazing	PDF
Stocking Recommendations for Fall Grazing	PDF
Forage Preserves for Winter Grazing Systems	PDF



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