



High

of this exercise,

that will occur.

select targets that

are realistic for the

What Should I Plant in My Pasture?

- 1. What are my grazing goals?
 - Type & Class of livestock _____

Livestock nutritional needs (forage quality range): Medium Low High

Medium Livestock grazing habits (potential for close grazing): Low

•	Grazing management:
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Target residency period : _____days

Target rotation length:_____days

Target residual height:_____inches

2. What are my farm's existing resources?

Forage species on existing pastureland & hayfields _____

Forage species prevalent in seed bank _____

Soil types & drainage (select all that are prevalent):

- Sands (Droughty) Clays (Poorly Drained) Silt Loam (Well Drained)
- Critical & sensitive areas (areas of the farm that should be treated/grazed differently)

Can I work with what I've got?

Does the farm have existing pastureland and hayfields compatible to the grazing goals?



No \rightarrow plant new pasture

Yes \rightarrow work with existing pastureland or hayfield

Residency period - days on a paddock To get the most out

Residual height – inches of forage left level of management

before rotating, recommended: 1-3

grazing again, recommended: 30+

after grazing, recommended: 4"+

Rotation length – days of rest before

Yes, but not enough acres \rightarrow plant new pasture

4. What should I plant in my pasture? (see tables on back of page)

If you need to plant new pasture, choose species that are compatible to the farm and complimentary to each other.

Grass 1:	Legume 1:
Grass 2:	Legume 2:
Grass 3:	Legume 3:
% Grass desired in mix:	% Legumes desired in mix:

					Poorly	Tolerance			
5 = highest rating	Regrowth	Winter	Ease of	Droughty	Drained	to Close	Species		Legume
1 = lowest rating	Potential	Hardiness	Establishment	Soils	Soils	Grazing	Persistence	e Palatability	Compatibility
Grasses									
Festulolium	4	2	5	3	3	4	2	4	5
Kentucky Bluegrass	3	5	4	1	3	5	5	5	2
Meadow Fescue	4	4	4	3	4	4	4	5	4
Meadow/Creeping Foxtail	3	3	2	3	4	2	3	2	2
Orchardgrass	5	4	4	3	3	4	4	3	4
Perennial Ryegrass	5	1	5	2	3	4	1	4	5
Quackgrass	4	5	NA	4	3	4	5	3	3
Reed Canarygrass	4	5	1	4	5	3	5	2	1
Smooth Brome	2	5	3	5	2	3	3	3	3
Tall Fescue	5	3	5	4	3	5	4	1	3
Timothy	3	4	4	2	4	2	3	2	4
Legumes									
Alfalfa	4	2	4	5	2	2	2	3	
Alsike Clover	3	4	5	2	4	3	2	4	
Birdsfoot Trefoil	3	5	3	3	3	2	3	3	
Kura Clover	5	5	1	3	3	5	5	3	
Ladino Clover	3	4	5	3	3	4	4	5	
Red Clover	4	3	5	3	3	3	2	5	
White Clover	3	5	5	4	3	4	3	4	
Grass Seeding Rates (lbs/acre) Pure			lix Legume S	Seeding Ra	tes (lbs/a	cre) Pure	e Mix		
Festulolium		25	5 Alfalfa			15	8	Seeding r	ates
Kentucky Bluegrass		15	1 Alsike Clo	over		3	1	assume n	ew seeding
Meadow Fescue		15	6 Birdsfoot	Trefoil		8	6	into prepa	ared
Meadow/Creeping Foxtail ¹		3	Kura Clov	er ³		6		seedbed	
Orchardgrass		10	4 Ladino Cl	over		3	1 '	 Broadcas 	ting:
Perennial Ryegrass		25	2 Red Clove	er		10	7	increase r	ate by 50%
Quackgrass ²		White Clo	White Clover 3 1			1 ,	 Interseed 	ing with	
Reed Canarygrass 6			5 1 Meadow/c	1 Meadow/creeping foxtail is not recommended in a new				no-till dril	l to
Smooth Brome		16	5 seeding mix.	seeding mix. 2 Quackgrass seed cannot be legally purchased or				renovate:	use 50%
Tall Fescue		15	6 planted in m	planted in many states, but existing quackgrass can be grazed			be grazed	of new se	eding rate
Timothy		8	3 successfully mix with cau	. 3 Kura clover Ition due to po	r should be ir oor establishr	ncluded in a ne ment under co	w seeding		J

<u>Beef</u>	<u>Dairy</u>	<u>Sheep</u>	<u>Droughty</u>	Poorly Drained
Orchardgrass Timothy Red Clover Ladino Clover	Meadow Fescue Festulolium Perennial Ryegrass Red Clover Ladino Clover	Kentucky Bluegrass Perennial Ryegrass Festulolium White Clover Birdsfoot Trefoil	Smooth Brome Orchardgrass Quackgrass* Alfalfa Red Clover	Timothy Reed Canarygrass* Meadow Foxtail* Ladino Clover Alsike Clover
Average Soil, Average Orchardgrass Timothy Smooth Brome Red Clover Ladino Clover	eding, but well-suited for	Initial Seeding Mix: 50-60% Grass 40-50% Legume Result will be 15-30% legumes after first established year	Species combinations that are compatible & complimentary	



Developing a renovation plan for when new seeding isn't necessary

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Renovation Setting:	Desirable Grass, Thinning Legumes	Desirable Grass, Thinning Grass & Legumes	Undesirable Grass, Patchy Stand	Undesirable Grass, Thick Sod
Renovation Goal:	Fill-in or maintain legumes	Thicken with grass and legumes	Introduce desirable grass and legumes	Replace undesirable with desirable grass/legumes
Setting Up for Renovation:	Graze normally through end of season	Graze normally through end of season	Graze tight in late-fall	Graze tight in late-fall, "intentionally overgraze"
Seeding Method & Timing	Frost seed or no-till in spring	No-till grass/legumes in spring or dormant season	Frost seed legumes or no-till grass/legumes in spring or dormant season	No-till grass/legumes in spring or dormant season if grass <50% stand
Important Consideration:	High success with legumes, low with grass	Select grass species with similar palatability	Must observe exposed ground for success	If grass >50% stand, terminate and reseed; spray, till, outwinter, etc.

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