

Fall Feed or Fuel Load

What's a prudent sheep rancher to do?!

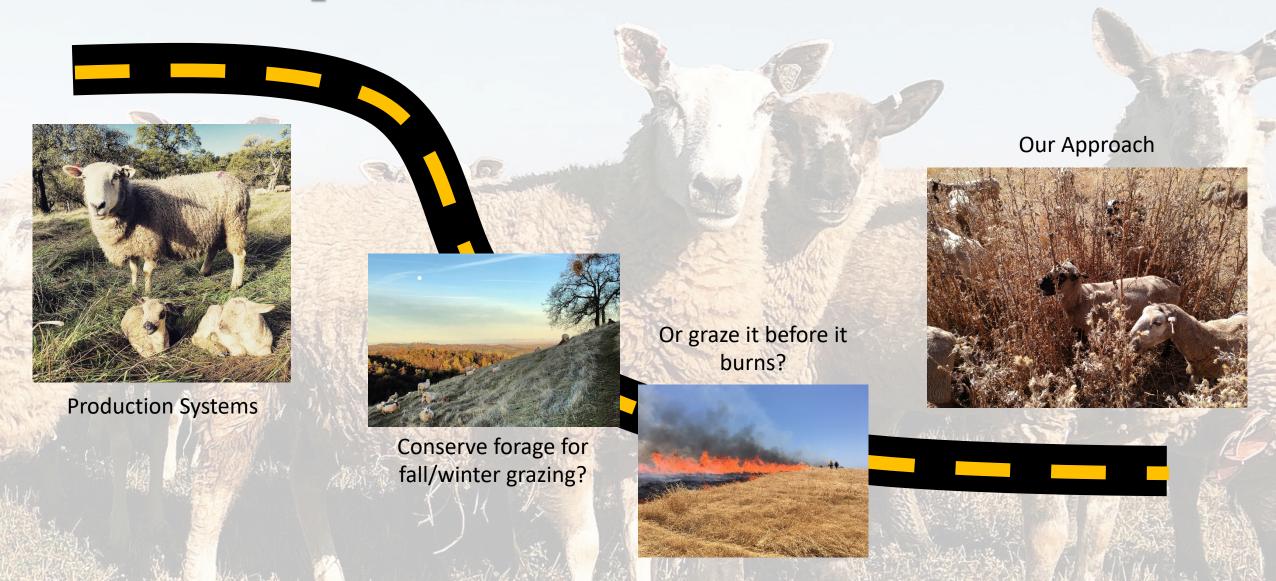
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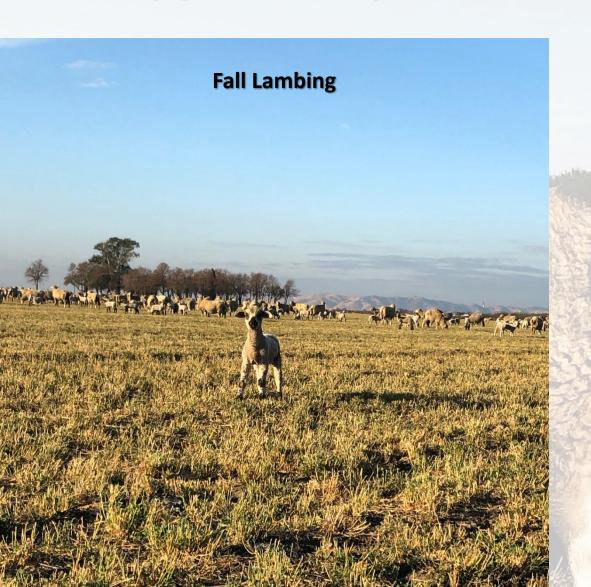
University of California
Agriculture and Natural Resources

Road Map



Fall Lambing vs. Spring Lambing

Why production systems matter...





Nutritional Demand and Production Systems

- Breeding ewes have two peaks in nutritional demand:
 - At flushing (2-4 weeks before breeding) and breeding.
 - At late gestation and lactation
- Breed selection is driven by many factors (markets, climate, etc.)
- Unlike the Central Valley, we get too much precipitation to raise fine wool sheep (which means we can't lamb in the fall).

Production System	Flushing & Breeding Forage	Lambing Forage
Fall Lambing	Springtime Rangeland Forage	Alfalfa Stubble
Spring Lambing	Irrigated Pasture & Supplemental Grain	Springtime Rangeland Forage

Nutritional Demand and Production Systems

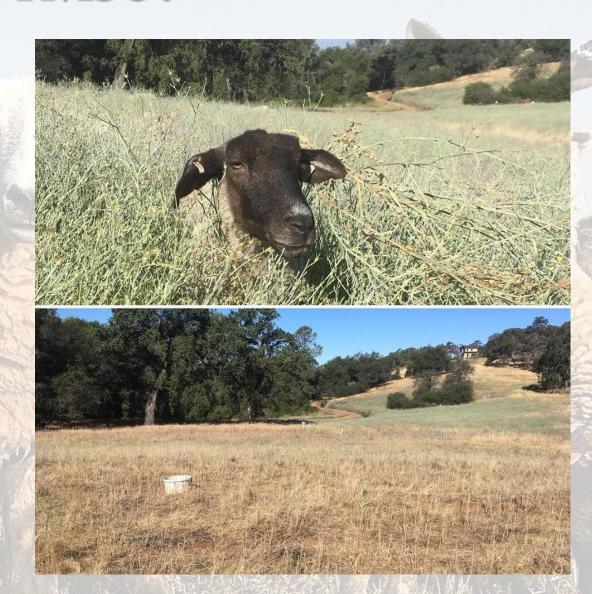
Production System	Post Weaning (Dry Ewes)	Early Gestation (Dry Ewes)
Fall Lambing	Available for Targeted Grazing: Spring/Summer	
Spring Lambing	Available for Targeted Grazing: Mid-Summer	

- Post-weaning and early gestation nutritional demands are much lower.
- Dry ewes can be pushed nutritionally we can use them to graze dry forage (aka, fuel load).



What does this mean for FMSC?

- We use a conservative stocking rate to make sure we have enough forage in the late fall (even if it doesn't rain).
- We have a very short window (75~80 days) in the summer when our sheep are available for fuel reduction grazing.
- Without targeted grazing as a revenue stream, we have to optimize reproduction.



Putting this into practice...



- We trade winter/early spring forage for strategic summer fuel load reduction.
- Our landowner partners own ~300 acres of annual rangeland west of Auburn.
- We collaborative plan our summer grazing to modify fine fuels in critical locations:
 - Roadsides
 - Downhill from structures
 - N/NE of structures
 - Between the community and potential ignition sources



Before and After...

Image Name: heredia culdesac-2018-Jun-18 point GPS co-ordinates: 38.956231,-121.183065 Date: Jun 18, 2018 at 9:36:11 AM PDT

Direction: 275 N



Image Name: heredia culdesac-2018-Jun-23 plot 2 GPS co-ordinates: 38.956230,-121.183067 Date: Jun 23, 2018 at 9:57:56 AM PDT Direction: 275 N



Before and After...

Image Name: claude lower corral-2018-Jul-24 plot 2 GPS co-ordinates: 38.959788,-121.180117 Date: Jul 24, 2018 at 8:56:05 AM PDT



Image Name: claude lower corral-2018-Jul-30 point GPS co-ordinates: 38.959846,-121.179970 Date: Jul 30, 2018 at 8:39:23 AM PDT



Questions?



