

[UTAH]

[1972, JAN. 19]

- | | | |
|---|----------------|-------|
| | Frank Shields | DM |
| 8 | Stanley Hansen | AM |
| | Les Sweeney | AM |
| | Ken Moore | AM |
| 1 | Hugh Harper | |
| 2 | AK Majors | |
| 3 | Bill Miller | |
| 4 | Ernest Most | |
| 5 | Arnold Bullock | |
| 6 | Bruce Portwood | |
| 7 | Mel Wilhelm | |
| 8 | Carl Haythorn | Mahon |

East League Allotment 1-18-72

Grant Bayles - Operator - Monticello, Utah

1. Precip - 8" Ave. - Sept-Oct. peak rainfall. June - most droughty.
2. Spring - difficult period - cattle confined to one pasture.
3. Base property - seedings nearly all dryland - Agde.
Some small sprinkler systems with alfalfa.
4. Cows moved to base ranches just after calving from Feb. - Mar.
Use Agde on base property.
5. Cows moved from Agde back to the Allotment in May in some years.
6. Weaner calves sold in October.
7. Move cattle to Nat'l. For. at end of May (by trailing).
8. Feeding hay at present this year due poor forage production.
9. Remain on Nat'l. For. to the middle of Oct.
10. Livestock water not too reliable on the Allotment. Haul water during some years.
11. Grass seedlings established in fall generally succeed best.
12. Orhay will produce more than once under favorable moisture conditions at this latitude.
13. Stocking Rate - 8 Ac/AUM

A. Bullock

[illegible]

YEARLY GRAZING SCHEDULE

[illegible]

Monticello Utah East League Allot.

GRAZING FORMULA

start growing Flower seed

TREATMENT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
1												
2												
3												
4			Rest For seedlings									
5												
6			Rest For vigor									

mine

YEARLY GRAZING SCHEDULE

Bill Miller

Bill Miller

1. Is There any season That you are short on Feed?

Ans. Yes Generally in the Spring

2. Have you noticed any increase in calf weaning weights.

Ans. believed That There had been an increase under the system except for the last 2 years (no definite weight figures available)

3. Is There any problems experienced by your livestock operation due to the system?

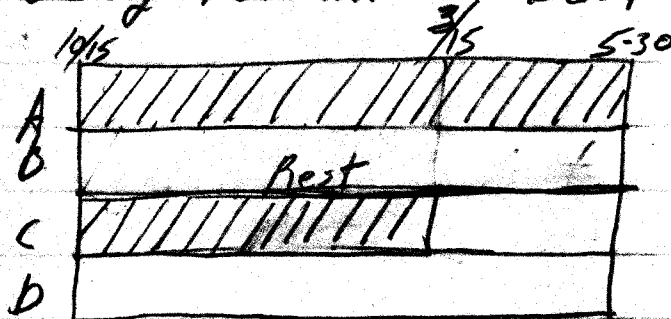
Ans. No as long as it is flexible

4. Which contributes the most ^{winter} forage - Indian Ricegrass or shrubs - (Run around don't think he knew)

5. possibility to Turn in livestock earlier or carry-over to provide seed trampling - He said That livestock could kept except for the problem of water

Rest Rotation Grazing Session
1/19/72 Marvin O. Jensen

Grazing Formula - East League Allot.



could use D in spring if additional forage is needed

Six Pastures -

Questions — Answers

1- What is the normal season of use

Ans - Oct 15 to May 30

2- What is the key plant species that is managed for.

Ans - Indian Ricegrass (Orhy) Fourwing (Atca)

3- What is the phenology of the key species Indian Rice grass (Orhy)

Ans - begin growth 3/15

- Flower 5/1

- Flower Peak 5/15

- Seed Ripe 6/10

- Seed diseminate 6/15

- Regrowth 6/10 → Sept 30

4- What is the basic operation

Ans - cow-calf

6- What is the calving & bulling period

Ans - calving beginning last of Feb 1st March

bulling - last May 1st June beginning

7- Is Allotment well watered

Ans - No - water hauling necessary at times (especially Spring)

8- Is Allotment presently subdivided

Ans - yes - 6 pastures

9- Other areas of use

Ans - Private land near Blue Mtns

- Forest land 6/5 thru 10/15

11- Any other major uses of the area for which livestock use needs to be adjusted - (NO)

Best

GRAZING FORMULA

by Mel Wilhelm

TREATMENT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
1 Spring Graz	~	~	~	~	~	~	///	///				
2 Spring Rest	~	///	///	///	///	///	~	~				
3 Spring Graz	~	~	~	~	~	~	///	///				
4 Spring Rest for seed	~	///	///	///	///	///	~	~				
5 Seed trample	///	///	///	///	///	///	~	~				
6 Rest for Seedling establishment	~	~	~	~	~	~	~	~				

YEARLY GRAZING SCHEDULE

MANAGEMENT UNIT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
First Year 19												
Second Year 19												
Third Year 19												
Fourth Year 19												
Fifth Year 19												
Sixth Year 19												

* Forage value for livestock (L) and/or wildlife (W) Ex = Excellent Gd = Good Fr = Fair Pr = Poor
 ** How late in spring species can be grazed and still produce grazeable leaves, twigs, or seed-producing flower stalks

Mc Wilhelm

Question: To Mr. Bayless

Have you ever had to deviate from the system because of lack of adequate water in a pasture?

Answer No if we must we will haul water to get better distribution.

Application. Water will not be considered a problem.

Question to Sheridan Hursey

Do you think 2 growing seasons rest is necessary for seedling establishment?

Answer No on an adjacent allotment having a spring deferment for 2 years then spring grazing for 2 years we are having good results.

Application - I can't agree I think the sandy soil would make single season seedlings more vulnerable to being pulled out. The deferred system referred to has a light stocking rate 20 A/Aum while the East League Allot. has a rate of 8 A/Aum. To provide adequate protection for ricegrass seedlings in this sandy soil I think 2 consecutive growing seasons rest of grazing is necessary.

McL Wilkins

Advantages of this System

1. No pasture receives grazing during the growing season for 2 years in a row.
2. Only one pasture goes ungrazed each year.
3. The pasture having received ~~12~~ months consecutive rest is then grazed in the spring period which is the critical time for livestock forage.
4. All spring pastures have old feed

Grant Bayles 1/18/72

2/18/72

Frank E. Phil

Don't leave water for much winter feed (ideal)
Late March > Cars & calves go in to winter about - 2 pasture private

May > May being back June 5 Mountain (USFS)
35% non-use this year. Using 4 pastures then enter
5 day trail

Cars didn't do well just 2 years - hung up in fire.
Flexibility good. Not resting pasture this year.

Better to co-op. rather than fight. Cost too
grass increased.

1967 just open. 5 years operation. Bull May 20

Cars & calves. See or below Oct. 402. Not year were broken system.

the October > come dam for meat. I just Service had to deal with.

BLM water inadequate. Haul water

Plant Composition

	% Comp
Good <i>Hilaria jamesii</i> (curley grass)	23
Fair <i>Sporobolus</i> Spp. (Sanddrop seed)	5
Ex <i>Oryzopsis hymenoides</i> (Indian Rice Grass)	4
Poor <i>Muhlenbergia pungens</i> (wickeyup grass)	1
Poor <i>Aristida</i> spp. (Three awn)	2
Good <i>Bromus tectorum</i> (cheat grass)	5
Good <i>Stipa comata</i> (needle & thread)	7
Total	40%

Annuals

	Total	20%
Good <i>Atriplex confertifolia</i> (shadscale)	3	
Ex. <i>Atriplex canescens</i> (Four wing salt bush)	1	
fair <i>Colocogyne ramosissima</i> (Blackbrush)	20	
good <i>Ephedra</i> spp. (Mormon tea)	82	
Poor <i>Lycium</i> spp.	7	
Poor <i>Gutierrezia sarothrae</i> (Snake weed)	3	
fair <i>Chrysothamnus</i> spp. (yellow bush)	1	
Total	40%	

GRAZING FORMULA

SHIELDS

TREATMENT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
A <i>graze</i>		/	/	/	/	/	/	/				
B <i>Rest - 1/19/72</i>		/	/	/	/	/	/	/				
C <i>graze - triangle sand</i>		/	/	/	/	/	/	/				
D <i>rest, seedlings</i>								/				
E <i>graze</i>								/				

YEARLY GRAZING SCHEDULE

MANAGEMENT UNIT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
First Year 1971												
1 A	/	/	/	/	/	/	/	/				
2 B	/	/	/	/	/	/	/	/				
3 C	/	/	/	/	/	/	/	/				
4 D	/	/	/	/	/	/	/	/				
5 E	/	/	/	/	/	/	/	/				
Second Year 1972												
1 B	/	/	/	/	/	/	/	/				
2 C	/	/	/	/	/	/	/	/				
3 D	/	/	/	/	/	/	/	/				
4 E	/	/	/	/	/	/	/	/				
5 A	/	/	/	/	/	/	/	/				
Third Year 1973												
1 C	/	/	/	/	/	/	/	/				
2 D	/	/	/	/	/	/	/	/				
3 E	/	/	/	/	/	/	/	/				
4 A	/	/	/	/	/	/	/	/				
5 B	/	/	/	/	/	/	/	/				
Fourth Year 1974												
1 D	/	/	/	/	/	/	/	/				
2 E	/	/	/	/	/	/	/	/				
3 A	/	/	/	/	/	/	/	/				
4 B	/	/	/	/	/	/	/	/				
5 C	/	/	/	/	/	/	/	/				
Fifth Year 1975												
1 E	/	/	/	/	/	/	/	/				
2 A	/	/	/	/	/	/	/	/				
3 B	/	/	/	/	/	/	/	/				
4 C	/	/	/	/	/	/	/	/				
5 D	/	/	/	/	/	/	/	/				
Sixth Year 1976												

Sheridan Hansen

GRAZING FORMULA

TREATMENT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
	Grass											
				Rest	veg			Litter	seed	prod		
				Livestock probably trample seed								
									seedling	establishment		
				Rest	seedling				litter	establishment		

YEARLY GRAZING SCHEDULE

MANAGEMENT UNIT	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
First Year 19												
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Fourth Year 19												
Fifth Year 19												
Sixth Year 19												

① Orby - Key Species

Mr Royles

- 1- Feels 300 Cows on 1 section to hard
- 2- Grass Matures & Seeds in August - Cows don't come on till Oct
- 3- Black brush used in January
- 4- 5 Pastures - Rest 3-4 every Spring - Hardest time for Cowboy
- 5- Pot. land between here & Forest that are converting to Grass for Spring
- Dry land - Creasted Wheat
- ?? 1- Move into Spring Pastures (Private) Last of Feb to End of March
- 2- Grain in Winter
- 8- Came back here in May
- 9- 35% non-use this year
- 10- Calf March - Worn Out Steers 402 - Heifer 350
- 11- $\frac{1}{3}$ Cows moved to private in Spring as Calf to help grass
- 12- FS Permit - Oct 15
- 13- How to Haul water in Spring here
100 Cows 20,000 Acres

Questions & Answers

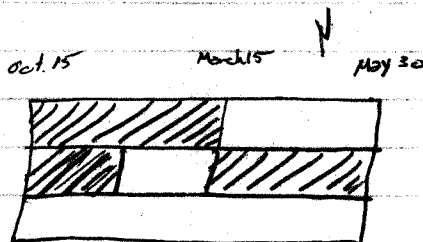
1- Do you feel 6 pastures are needed

Grant- yes fewer Pastures would cut down the Area I can use & would limit the flexibility we need in this Area. Also would not get distribution due to limited water

2 What are the most important Plant Species you have that you feel you need.

Grant- the Indian Rice grass & of course the black brush in the winter.

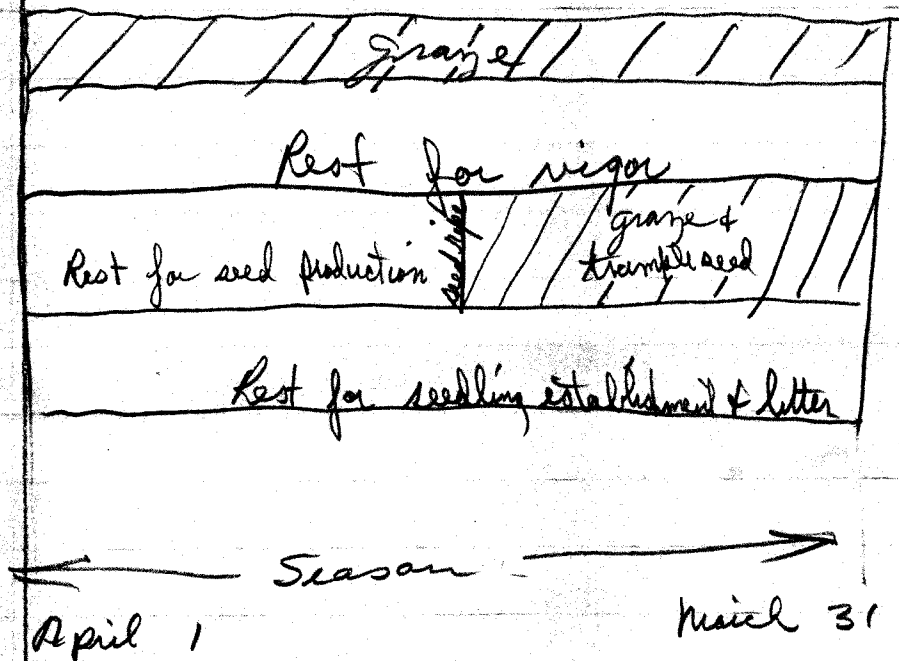
3- More g



Portwood 1/19/72

Treatments needed

1. graze for livestock production
2. rest for vigor
3. rest for seed production
4. rest for seedling establishment & litter accumulation



Questions of permittee

Q. 1. What is season of use? Oct 16 to May 31

Q. 2. What is your normal operation? Cow-calf, wean calves before turning out in fall. sell calves. keep about 20 head replacement heifers. starts calving March 1, after they calve take to patented land for a couple weeks before returning to allotment. Go to forest the first of June.

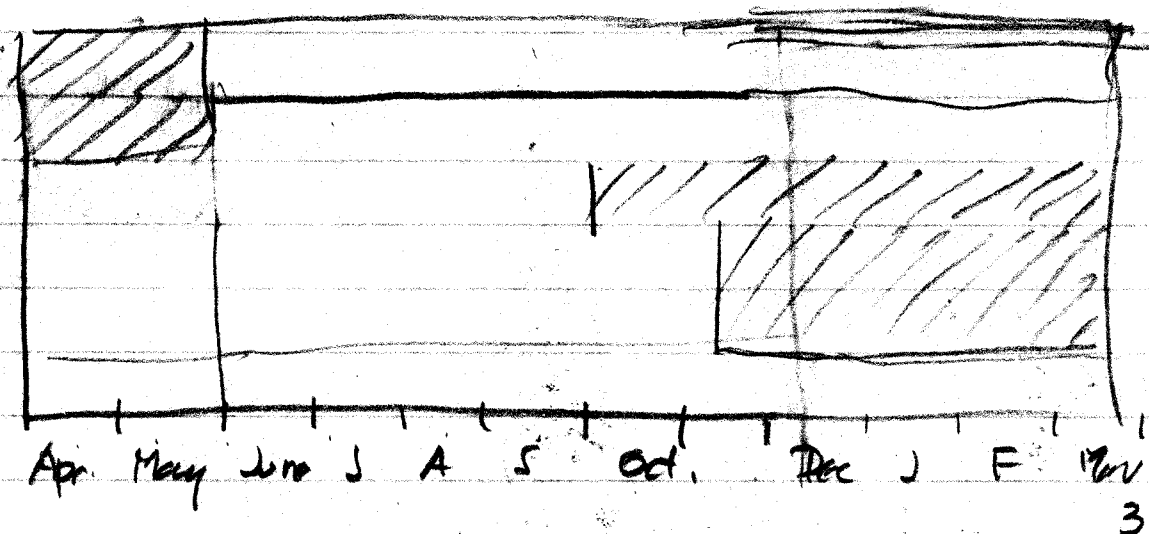
Q. 3. How many livestock are run on the allotment? 400 head

Questions of Area Manager

Q 1. What is average precipitation? 8" annually

Q 2. When does most of the precip come?
spring April - May and fall Sept - October.

Q 3. When does growing season start? March 15, regrowth can occur after each rain storm during summer and fall.



A.K. Majors ①

Oct.
20

4/1

5/31

Oct
1974

			
	Rest Vigor	Produce Seed	
Trample Seed		Reproduction	
Rest Seedlings &		Litter	

Rest for vigor from 4/1 on because
that's about when most species start
growth - Orhy may start sooner but
it has good regrowth character.
Seed would probably be produced
that year because winter use even
to 5/31 has not greatly reduced

vigor of most species - Orhy
is only one that reaches peak
flowering substantially before
stock are removed.

Trampling is needed on some
species and then rest
for reprod $\frac{1}{2}$ when many
seedlings start to grow
— following year rest to
est. and allow litter.

Questions Asked Grant Bayles - User

1. Do you have a Forest Service Permit?

Ans. Yes

2. When do you go on and come off Forest?

Ans. Go on June 5 (takes 5 days to trail there from BLM allot.) and come off October 15th - "also he added" - cows are quite sore footed when coming off Forest because it is quite rocky and rough up there.

3. Is there any chance Forest will allow you to go with more or start earlier there.

Ans. Basically, no. They are suppose to do some raiing, but doubt if they will let me go sooner - doubt if I would want to.

(Grant Bayles Ques. con't.)

4. When did you use Highway Pasture last year?

Ans. In the Spring and until June 10th which I thought was too long and too heavy.

5. What do you think of the growth on the this pasture (Highway) now?

Ans. Its below normal and going to cause a shortage of forage this spring — will have to feed some cattle at home in April and maybe bring them back in May if Spring growth is good.

6. Would you like to have Assurance of more forage in Spring? is that when your the shortest on feed?

Ans. Yes — but, then it would mean sacrificing forage in fall or winter.

7. Do you think its essential to rest one pasture completely each year?

Ans. Yes, I think its good for the vege., but on dry years I need to use it.

8. Are your cows restricted or do you feel their restricted by just coming into one pasture first in the fall?

Ans. Yes, I feel its better for them to have more area to move freely in especially when forage is short.

(6)

Questions of Mr. Hansen - Area Mgr.

1. Does Recapture Cr. run H₂O during grazing season?

Ans. Basically yes - its really intermittent but water comes up in numerous places along bottom.

2. What has been the grazing use on the Area across the highway west from East Leauge allot.?

Ans. Since 1960 it has been used 10/15 to 4/30.

3. From your experience is one or more years of rest required to establish Ricegrass reprod.?

Ans. No, don't think so - it is better to have two years spring season rest.

4. How about the rest of the major species in the allot., do any need one year complete

⑦

rest, or more, for reprod to establish?

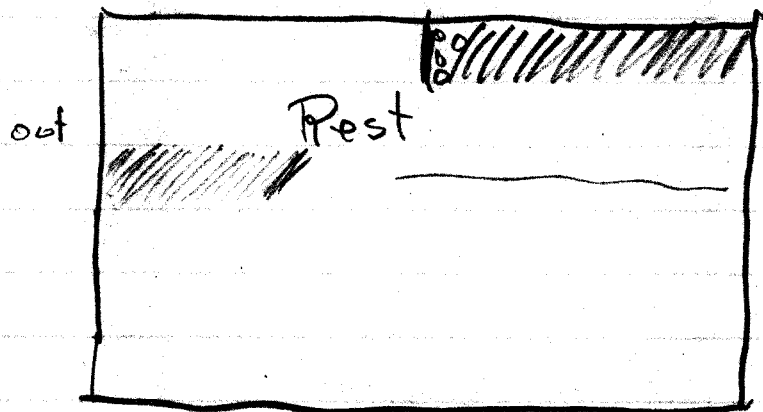
Ans. Hija and Mormon Tea reproduce by rizomes so don't need a year - probably the Atriplex's would need a year - Am not really sure.

5. What about black brush?

Ans. I don't know for sure.

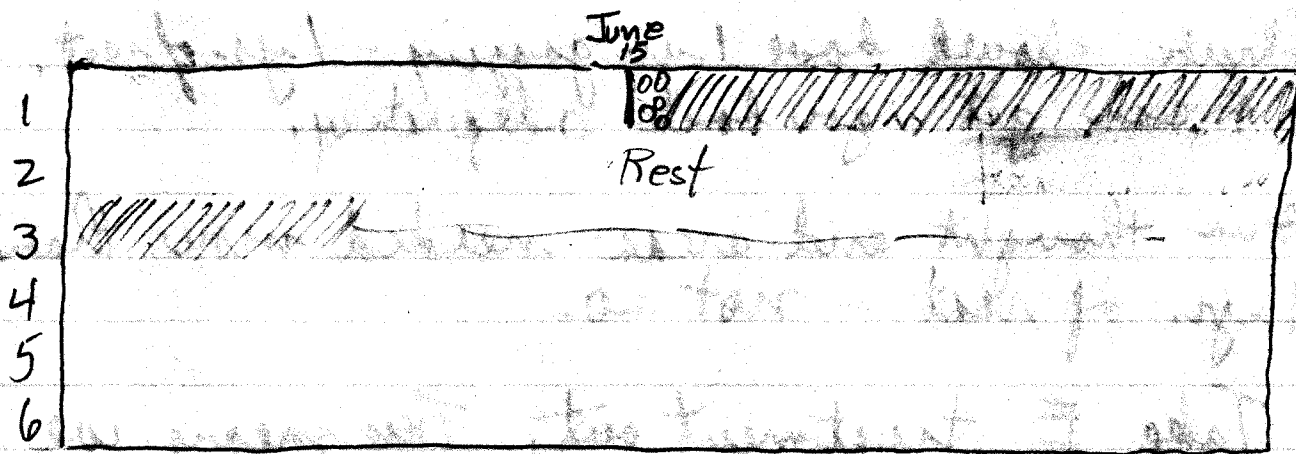
Harper

June 15



I talked to him about feasibility of his cattle being in there at time to get seed trampling. I was figuring on

Harper



 Seed ripe Indian Rice Grass = June 15
 Seed ripe 4-wing salt bush = Sept 15

Start your formula with the start of growing season

	A	M	J	J	A	S	O	N	D	J	F	M	
1971		:	:	:	:	:							Herbs A shrubs
1972	Rest (Vigor)												B
1973													C
1974													D Idealistic
1975													E

April 1

Mar 31

Need less rest on shrubs than herbaceous.

Shrubs should have 1 yr. grazing - 1 yr. of rest.
& can get vigor back adequately.

Our thought and area needed more than
1 yr. of rest - not so.

Take E treatment out. This means we
are down from 5 pastures to 4 pastures.

Now Formula

A	N	J	J	A	S	O	N	D	J	F	M

got to have a formula w/ at least $\frac{1}{2}$ of
area used in April and May

need to get Spring use fields rested the
year before.

Harper

~~The site~~

To achieve established objectives, I want to increase plant density. ~~and particularly~~ Any increase in vegetative cover would be an improvement because wind and water erosion would be reduced. Of the vegetative species present, it is most desirable to increase Indian rice grass and four-wing salt bush. ~~In spite of the~~ Blackbush is doing a good job of ~~hanging on~~ maintaining itself in spite of any management or no management.

Under the present ~~livestock~~ management arrangement, livestock leave the area from May 31 to October 16. On October 16 the livestock come back to the allotment and ~~at that~~ not until that time can seed trampling take place. There is a significant rodent population on the area. It is desirable to get ripe seed of desirable species trampled as soon after seed ripening time as possible.

Six pastures exist on the area, mostly fenced. It is desirable to use as many pastures as possible because this provides more flexibility which is needed in this area as precipitation is minimal and not totally dependable. At present he is short of feed during April and May.