

Table C2.--Rangeland Productivity and Characteristic Plant Communities

(Only the soils that support rangeland vegetation suitable for grazing are rated.)

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre	Pct	
2Hb: HOBBS-----	Silty Overflow - Veg. Zone 3	4,500	4,000	3,800	western wheatgrass-----	20
					little bluestem-----	15
					miscellaneous perennial grasses	10
					switchgrass-----	10
					miscellaneous perennial forbs--	5
					sideoats grama-----	5
2Hd: HORD-----	Silty Lowland - Veg. Zone 3	4,000	3,600	3,300	little bluestem-----	20
					needle and thread-----	10
					miscellaneous perennial grasses	10
					western wheatgrass-----	10
					miscellaneous perennial forbs--	5
					other perennial grasslikes----	5
					sideoats grama-----	5
2HdA: HORD-----	Silty Lowland - Veg. Zone 3	4,000	3,600	3,300	little bluestem-----	20
					needle and thread-----	10
					miscellaneous perennial grasses	10
					western wheatgrass-----	10
					miscellaneous perennial forbs--	5
					other perennial grasslikes----	5
					sideoats grama-----	5
2Iz: BOEL-----	Subirrigated - Veg. Zone 3	5,200	4,900	4,600	yellow Indiangrass-----	15
					little bluestem-----	10
					other perennial grasslikes----	10
					switchgrass-----	10
					miscellaneous perennial forbs--	5
					miscellaneous perennial grasses	5
2ThA: BOELUS-----	Sandy - Veg. Zone 3	3,500	3,300	3,000	little bluestem-----	20
					needle and thread-----	20
					prairie sandreed-----	20
					miscellaneous perennial grasses	10
					miscellaneous perennial forbs--	5
					sand bluestem-----	5

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		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
5ThA: THURMAN-----	Sandy Lowland - Veg. Zone 3	3,500	3,300	3,000	sand bluestem----- little bluestem----- needle and thread----- prairie sandreed----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass-----	25 20 15 15 5 5 5
Be: BELFORE-----	Silty - Veg. Zone 3	4,800	4,400	4,000	little bluestem----- Hesperostipa spartea----- miscellaneous perennial forbs-- miscellaneous perennial grasses  miscellaneous shrubs----- sideoats grama----- switchgrass----- yellow Indiangrass-----	25 5 5 5 5 5 5 5
BO: PSAMMENTS-----	---	---	---	---	---	---
CfD2: CROFTON-----	Limy Upland - Veg. Zone 3	3,300	3,000	2,700	little bluestem----- miscellaneous perennial grasses  sideoats grama----- miscellaneous perennial forbs-- miscellaneous shrubs----- western wheatgrass-----	30 10 10 5 5 5
CfE2: CROFTON-----	Limy Upland - Veg. Zone 3	3,300	3,000	2,700	little bluestem----- miscellaneous perennial grasses  sideoats grama----- miscellaneous perennial forbs-- miscellaneous shrubs----- western wheatgrass-----	30 10 10 5 5 5

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CNC2: CROFTON-----	Limy Upland - Veg. Zone 3	3,300	3,000	2,700	little bluestem----- miscellaneous perennial grasses  sideoats grama----- miscellaneous perennial forbs--  miscellaneous shrubs----- western wheatgrass-----	30 10 10 5 5 5
NORA VARIANT-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  western wheatgrass----- needlegrass----- miscellaneous perennial forbs--  sideoats grama----- switchgrass----- yellow Indiangrass-----	25 10 10 5 5 5 5
CND2: CROFTON-----	Limy Upland - Veg. Zone 3	3,300	3,000	2,700	little bluestem----- miscellaneous perennial grasses  sideoats grama----- miscellaneous perennial forbs--  miscellaneous shrubs----- western wheatgrass-----	30 10 10 5 5 5
NORA-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  sideoats grama----- western wheatgrass----- miscellaneous perennial forbs--  switchgrass-----	25 10 10 10 5 5
CNE: CROFTON-----	Limy Upland - Veg. Zone 3	3,300	3,000	2,700	little bluestem----- miscellaneous perennial grasses  sideoats grama----- miscellaneous perennial forbs--  miscellaneous shrubs----- western wheatgrass-----	30 10 10 5 5 5
NORA-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  sideoats grama----- western wheatgrass----- miscellaneous perennial forbs--  switchgrass-----	25 10 10 10 5 5



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Ha: HALL-----	Silty Lowland - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- western wheatgrass----- sideoats grama----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass-----	25 15 10 5 5 5
HaA: HALL-----	Silty Lowland - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- western wheatgrass----- sideoats grama----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass-----	25 15 10 5 5 5
Hb: SHELL-----	Silty Lowland - Veg. Zone 3	5,300	4,900	4,500	little bluestem----- Hesperostipa spartea----- Kentucky bluegrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass----- yellow Indiangrass-----	20 5 5 5 5 5 5
Hd: HORD-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- needle and thread----- miscellaneous perennial grasses  western wheatgrass----- miscellaneous perennial forbs-- other perennial grasslikes---- sideoats grama-----	20 10 10 10 5 5 5
HdA: HORD-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- needle and thread----- miscellaneous perennial grasses  western wheatgrass----- miscellaneous perennial forbs-- other perennial grasslikes---- sideoats grama-----	20 10 10 10 5 5 5



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		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
Iz: INAVAL-----	Sandy Lowland - Veg. Zone 3	3,500	3,000	2,200	sand bluestem----- little bluestem----- prairie sandreed----- switchgrass----- needle and thread----- yellow Indiangrass-----	30 25 20 15 5 5
Lb: LAMO-----	Subirrigated - Veg. Zone 3	5,500	4,900	4,200	little bluestem----- yellow Indiangrass----- switchgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses	15 15 10 5 5
Le: LESHARA-----	Subirrigated - Veg. Zone 3	6,300	5,900	5,500	little bluestem----- yellow Indiangrass----- switchgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses	15 15 10 5 5
Lh: CROFTON-----	Thin Loess - Veg. Zone 3	2,800	2,600	2,400	little bluestem----- sideoats grama----- miscellaneous perennial grasses  miscellaneous perennial forbs-- miscellaneous shrubs----- plains muhly-----	30 15 10 5 5 5
L1B2: LORETTO-----	Silty - Veg. Zone 3	3,700	3,200	2,700	little bluestem----- sideoats grama----- switchgrass----- yellow Indiangrass----- Hesperostipa spartea----- miscellaneous perennial forbs-- miscellaneous perennial grasses  western wheatgrass-----	20 10 10 10 5 5 5 5

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		Favorable year	Normal year	Unfavorable year		
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Lm: LOUP-----	Wet Land - Veg. Zone 3	6,000	5,800	5,500	bluejoint----- northern reedgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  other perennial grasslikes---- rush-----	20 20 5 5 5 5
LNC2: LORETTO-----	Sandy - Veg. Zone 3	3,500	3,300	3,000	little bluestem----- needle and thread----- switchgrass----- yellow Indiangrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  prairie sandreed----- sideoats grama----- western wheatgrass-----	20 10 10 10 5 5 5 5 5
NORA-----	Sandy - Veg. Zone 3	3,500	3,300	3,000	little bluestem----- needle and thread----- switchgrass----- yellow Indiangrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  prairie sandreed----- sideoats grama----- western wheatgrass-----	20 10 10 10 5 5 5 5 5
LvA2: LORETTO-----	Sandy - Veg. Zone 3	3,500	3,300	3,000	little bluestem----- needle and thread----- switchgrass----- yellow Indiangrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  prairie sandreed----- sideoats grama----- western wheatgrass-----	20 10 10 10 5 5 5 5 5



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		Lb/acre	Lb/acre	Lb/acre		Pct
LvB2: LORETTO-----	Sandy - Veg. Zone 3	3,500	3,300	3,000	little bluestem----- needle and thread----- switchgrass----- yellow Indiangrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  prairie sandreed----- sideoats grama----- western wheatgrass-----	20 10 10 10 5 5 5 5 5
M-W: Miscellaneous water-----	---	---	---	---	---	---
MA: FLUVAQUENTS-----	---	---	---	---	---	---
MoA: MOODY-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  western wheatgrass----- needlegrass----- miscellaneous perennial forbs-- sideoats grama----- switchgrass----- yellow Indiangrass-----	25 10 10 5 5 5 5 5
MoA2: MOODY-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  western wheatgrass----- needlegrass----- miscellaneous perennial forbs-- sideoats grama----- switchgrass----- yellow Indiangrass-----	25 10 10 5 5 5 5 5
MoB2: MOODY-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  western wheatgrass----- needlegrass----- miscellaneous perennial forbs-- sideoats grama----- switchgrass----- yellow Indiangrass-----	25 10 10 5 5 5 5 5

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		Favorable year	Normal year	Unfavorable year		
		Lb/acre	Lb/acre	Lb/acre		Pct
NCD: NORA-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  sideoats grama----- western wheatgrass----- miscellaneous perennial forbs--  switchgrass-----	25 10 10 10 5 5
CROFTON-----	Limy Upland - Veg. Zone 3	3,300	3,000	2,700	little bluestem----- miscellaneous perennial grasses  sideoats grama----- miscellaneous perennial forbs--  miscellaneous shrubs----- western wheatgrass-----	30 10 10 5 5 5
NMB2: NORA-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  sideoats grama----- western wheatgrass----- miscellaneous perennial forbs--  switchgrass-----	25 10 10 10 5 5
MOODY-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  western wheatgrass----- needlegrass----- miscellaneous perennial forbs--  sideoats grama----- switchgrass----- yellow Indiangrass-----	25 10 10 5 5 5 5
NoC: NORA-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  sideoats grama----- western wheatgrass----- miscellaneous perennial forbs--  switchgrass-----	25 10 10 10 5 5

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		Lb/acre	Lb/acre	Lb/acre		Pct
NoC2: NORA VARIANT-----	Silty - Veg. Zone 3	4,000	3,600	3,300	little bluestem----- miscellaneous perennial grasses  western wheatgrass----- needlegrass----- miscellaneous perennial forbs-- sideoats grama----- switchgrass----- yellow Indiangrass-----	25 10 10 5 5 5 5 5
Sx: INAVALE-----	Sandy Lowland - Veg. Zone 3	3,300	2,800	2,200	sand bluestem----- little bluestem----- prairie sandreed----- Hesperostipa spartea----- needle and thread----- sand dropseed----- switchgrass-----	30 25 15 5 5 5 5
Sy: HOBBS-----	Silty Overflow - Veg. Zone 3	4,500	4,000	3,800	western wheatgrass----- little bluestem----- miscellaneous perennial grasses  switchgrass----- miscellaneous perennial forbs-- sideoats grama-----	20 15 10 10 5 5
ThA: THURMAN-----	Sandy - Veg. Zone 3	3,500	3,300	3,000	sand bluestem----- little bluestem----- needle and thread----- prairie sandreed----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass-----	25 20 15 15 5 5 5
ThB: THURMAN-----	Sandy - Veg. Zone 3	3,500	3,300	3,000	sand bluestem----- little bluestem----- needle and thread----- prairie sandreed----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass-----	25 20 15 15 5 5 5

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ThC: THURMAN-----	Sands - Veg. Zone 3	3,500	3,300	3,000	sand bluestem----- little bluestem----- needle and thread----- prairie sandreed----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass-----	25 20 15 15 5 5 5
TV: THURMAN-----	Sandy 22-25" P.z.	3,500	3,300	3,000	sand bluestem----- little bluestem----- needle and thread----- prairie sandreed----- miscellaneous perennial forbs-- miscellaneous perennial grasses  switchgrass-----	25 20 15 15 5 5 5
VALENTINE-----	Sandy 22-25" P.z.	3,300	3,000	2,600	little bluestem----- prairie sandreed----- sand bluestem----- needle and thread----- miscellaneous perennial forbs-- miscellaneous perennial grasses  sand dropseed----- switchgrass-----	20 20 20 15 5 5 5 5
VaC: VALENTINE-----	Sands 22-25" P.z.	3,000	2,600	2,200	sand bluestem----- little bluestem----- prairie sandreed----- switchgrass----- needle and thread----- miscellaneous perennial forbs-- miscellaneous perennial grasses	25 20 20 10 5 5 5
Vb: VALENTINE-----	Sands 22-25" P.z.	3,000	2,600	2,200	sand bluestem----- little bluestem----- prairie sandreed----- switchgrass----- needle and thread----- miscellaneous perennial forbs-- miscellaneous perennial grasses	25 20 20 10 5 5 5

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W: WATER-----	---	---	---	---	---	---
Wm: WANN-----	Subirrigated - Veg. Zone 3	5,500	5,300	5,000	little bluestem----- yellow Indiangrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  plains bluegrass----- slender wheatgrass----- switchgrass-----	20 10 5 5 5 5 5
Wx: BARNEY-----	Wet Land - Veg. Zone 3	6,000	5,400	5,000	bluejoint----- northern reedgrass----- miscellaneous perennial forbs-- miscellaneous perennial grasses  other perennial grasslikes---- plains bluegrass----- rush-----	20 20 5 5 5 5 5