

Table 1
PLANT ADAPTATION and SEEDING RATES
from Plant Materials Technical Note No. 4

Common Name	Longevity	Seedling Vigor	Character	Seeds/Lb	1 lb/Acre Seeds/ft ²	Precip	Soil	Depth	PLS Rate
GRASSES									
Bentgrass, Redtop	Long	Low-Med.	Sod	4,990,000	115	+18	wet	0-1/4	0.5
Bluegrass, Big	Medium	Low-Med.	Bunch	925,000	21	+ 9	cl-sl	0-1/4	2
Bluegrass, Canby	Long	Low-Med.	Bunch	925,000	21	+ 9	c-sl	0-1/4	2
Bluegrass, Canada	Long	Low-Med.	Sod	1,600,000	36	+18	cl-sl	1/4-1/2	1
Bluegrass, Kentucky	Long	Low-Med.	Sod	2,200,000	50	+18	cl-sl	0-1/4	2-4 sod
Bluegrass, Sandberg	Long	Low-Med.	Bunch	925,000	21	+ 8	l-cl	0-1/4	2
Brome, Meadow	Long	Med.-Rapid	Bunch	93,000	2	+14	c-sl	1/4-1/2	10
Brome, Mountain	Short	Med.-Rapid	Bunch	80,000	2	+16	c-sl	1/4-1/2	10
Brome, Smooth	Long	Very Rapid	Sod	145,000	3	+14	cl-sl	1/4-1/2	6
Canarygrass, Reed	Long	Med.-Rapid	Sod	506,000	12	+18	c-sl	1/4-1/2	4
Dropseed, Sand	Long	Low	Bunch	5,298,000	122	+ 7	fs-l-s	0-1/4	0.5
Fescue, Hard	Long	Low	Bunch	560,000	13	+14	c-sl	0-1/4	4
Fescue, Idaho	Long	Very Low	Bunch	450,000	10	+16	cl-sl	1/4-1/2	4
Fescue, Red	Long	Low	Sod	614,000	14	+18	c-sl	0-1/4	4
Fescue, Sheep	Long	Low	Bunch	680,000	16	+10	c-sl	0-1/4	4
Fescue, Tall	Long	Medium	Bunch	205,000	5	+18	saline	1/4-1/2	5
Foxtail, Creeping	Long	Low	Sod	750,000	17	+18	c-l	1/8-1/4	3
Hairgrass, Tufted	Long	Low	Bunch	2,500,000	57	+18	c-sl	0-1/4	1
Juncgrass, Prairie	Medium	Low-Med.	Bunch	2,315,000	53	12-20	sil-s	1/4-1/2	1
Needlegrass species	Long	Low	Bunch	180,000	3-4	8-20	cl-sl	1/4-1/2	6
Orchardgrass	Long	Medium	Bunch	540,000	12	+16	c-sl	1/4-1/2	4
Ricegrass, Indian	Long	Medium	Bunch	235,000	5	+10	l-s	1/2-3	6
Ryegrass, Perennial	Short	V. Rapid	Bunch	247,000	6	+15	cl-sl	1/4-1/2	5
Sacaton, Alkali	Long	Low-Med.	Bunch	1,700,000	39	+10	wet	1/8-1/2	2
Squirreltail, B.	Long	Medium	Bunch	192,000	4	+8	cl-sl	1/4-1/2	7
Switchgrass	Long	V. Low	Sod	426,000	10	+16	sil-sl	1/4-1/2	4
Timothy	Long	Medium	Bunch	1,230,000	28	+18	c-sl	1/8-1/4	3
Wheatgrass, Beardless	Long	Medium	Bunch	145,000	3	+12	c-sl	1/4-1/2	7
Wheatgrass, Bluebunch	Long	Medium	Bunch	139,000	3	+12	cl-sl	1/4-1/2	7
Wheatgrass, Crested AGCR	Long	Rapid	Bunch	175,000	4	+10	c-sl	1/4-1/2	5
Wheatgrass, Crested AGDE2	Long	Rapid	Bunch	165,000	4	+8	c-sl	1/4-1/2	5
Wheatgrass, Crested X	Long	Rapid	Bunch	165,000	4	+9	c-sl	1/4-1/2	5

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GRASSES									
Wheatgrass, Intermediate	Long	Rapid	Sod	80,000	2	+13	cl-sl	1/4-1/2	8
Wheatgrass, Newby	Long	Medium	Sod	139,000	3	+14	saline	1/4-1/2	8
Wheatgrass, Pubescent	Long	Rapid	Sod	80,000	2	+11	l-s	1/4-1/2	8
Wheatgrass, Siberian	Long	Medium	Bunch	160,000	4	+8	c-sl	1/4-1/2	6
Wheatgrass, Slender	Short	Rapid	Bunch	135,000	3	+10	c-sl	1/2-3/4	6
Wheatgrass, Snake River	Long	Medium	Bunch	139,000	3	+8	c-sl	1/4-1/2	7
Wheatgrass, Streambank	Long	Medium	Sod	135,000	3	+8	c-l	1/4-1/2	6
Wheatgrass, Tall	Long	V. Rapid	Bunch	78,000	2	+14	saline	1/4-3/4	10
Wheatgrass, Thickspike	Long	Medium	Sod	135,000	3	+8	l-s	1/4-1/2	6
Wheatgrass, Western	Long	Medium	Sod	115,000	3	+12-14	cl-sl	1/4-1/2	6
Wildrye, Altai	Long	Low	Bunch	73,000	2	+14	saline	1/4-1/2	10
Wildrye, Basin	Long	Low	Bunch	130,000	3	+8	sil-sl	1/4-3/4	7
Wildrye, Beardless	Long	V. Low	Sod	150,000	4	+14	saline	0-1/4	6
Wildrye, Blue	Medium	Medium	Bunch	145,000	3	+16	cl-sl	1/4-1/2	7
Wildrye, Canada	Short	Rapid	Bunch	115,000	3	+15	l-s	1/4-1/2	7
Wildrye, Mammoth	Long	V. Low	Sod	55,000	1	+12	ls-s	1/4-1/2	15
Wildrye, Russian	Long	Low	Bunch	170,000	4	+8	c-sl	1/4-1/2	6

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FORBS and LEGUMES									
Alfalfa	Medium	Medium	Erect	200,000	5	+14	sil-sl	1/8-1/2	5
Aster	Medium	Low	Erect	800,000	18	+12	cl-sil	0-1/2	2
Balsamroot, Arrowleaf	Long	V. Low	Erect	55,000	1	+10	sil-sl	0-1/3	20
Burnet, Small	Medium	Medium	Erect	42,000	1	+14	c-sl	1/4-1/2	20
Clover, Alsike	Short	Medium	Erect	700,000	16	+18	wet	1/8-1/4	3
Clover, Red	Short	Medium	Erect	275,000	6	+18	sil-sl	1/4-1	6
Clover, Strawberry	Short	Medium	Prostrate	300,000	7	+18	wet/saline	1/8-1/4	4
Clover, White	Med.-Long	Medium	Erect	800,000	18	+18	wet/cl-sil	1/8-1/4	3
Crownvetch	Long	Medium	Prostrate	98,000	2	+15	sil-sl	1/4-1/2	13
Flax, Blue	Short	Low-Med.	Erect	278,000	6	+10	sil-sl	0-1/8	4
Globemallow	Long	Low	Erect	750,000	17	+7	saline	1/8-1/4	3
Milkvetch, Ciccr	Long	Low	Erect	130,000	3	+15	c-l	1/4-1/2	7
Penstemon, Venus	Medium	V. Low	Erect	1,090,000	25	+16	cl-sl	0-1/8	2
Penstemon, Firecracker	Short	V. Low	Erect	315,000	7	+10	cl-sl	0-1/8	4
Penstemon, Palmer	Medium	V. Low	Erect	294,000	7	+10	cl-sl	0-1/8	4
Penstemon, Rocky Mtn.	Medium	V. Low	Erect	286,000	7	+18	cl-sl	0-1/8	4
Sagewort, Louisiana	Short-Med.	Medium	Erect	3,750,000	86	+12	cl-sl	0-1/4	1
Sainfoin	Medium	Low-Med.	Erect	18,500	0.4	+14	sil-s	1/4-3/4	34
Sweetclover	Short	Med.-Rapid	Erect	262,000	6	+9	c-sl	1/8-1/2	4
Sweetvetch species	Medium	Low	Erect	70,000	2	+10	cl-sl	1/8-3/4	18
Trefoil, Birdsfoot	Long	Low	Erect	375,000	9	+18	c-s	1/4-1/2	5
Yarrow, Western	Medium	Low	Prostrate	4,124,000	95	+8	cl-sl	0-1/4	0.25

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