

TABLE 1

SPECIES	ORIGIN	SEEDS/LB ¹	LBS/ACRE ² FOR FULL SEEDING	COOL/WARM ³ IRR/DRY SPRING/FALL	CULTIVARS
Grasses					
alkali sacaton	N	1,758,000	0.5	W/D/NP	Salado
bluegrass, big	N	882,000	3	W/D/NP	Sherman
bluegrass, Canada	I	1,600,000	1.0	C/I/NP	Foothills, Reubens
bluegrass, Canby	N	900,000	1.0	C/D/NP	Canbar
bluegrass, Kentucky	N	2,156,000	3	C/I/NP	Troy
bluegrass, Sandberg	N	900,000	1.0	C/D/NP	High Plains
bluestem, big	N	130,000	4	W/D/S	Bison, Bonilla, Champ
bluestem, little	N	260,000	4	W/D/S	Blaze, Camper, Badlands
bluestem, sand	N	113,000	6	W/D/S	Garden, Goldstrike
bromegrass, smooth	I	125,000	5	C/I or D/NP	Lincoln, Manchar
bromegrass, meadow	I	93,000	7	C/I or D/NP	Regar, Fleet, Paddock, Montana
bromegrass, mountain	N	80,000	10	C/I or D/NP	Bromar, Garnet
buffalograss	N	335,360	5	W/D/NP	Bison, Plains, Tatanka, Bismarck
fescue, hard	N	565,000	3	C/D/NP	Serra, Durar
fescue, Idaho	N	450,000	3	C/D/NP	NezPerce, Joseph
fescue, sheep	N	680,000	3	C/D/NP	Covar, Big Horn
fescue, spike	N	200,000	4	C/D/NP	common
fescue, tall	I	242,000	4	C/I or D/NP	Alta, Kenmont, Fawn
foxtail, creeping	I	720,000	3	C/I/NP	Garrison, Retain
foxtail, meadow	I	500,000	4	C/I/NP	common
galleta	N	159,000	4.0	W/D/NP	Viva
grama, blue	N	825,000	1	W/D/S	Alma, Bad River, Lovington
grama, sideoats	N	191,000	4.5	W/D/S	Butte, Pierre, Trailways
hairgrass, tufted	N	2,500,000	1.5	C/D/NP	Peru Creek
Indiangrass	N	170,000	5	W/D/NP	Tomahawk
Indian ricegrass	N	235,000	6	C/D/F	Nezpar, Paloma, Rimrock
needleandthread	N	115,000	6	C/D/NP	common
needlegrass, green	N	186,000	6	C/D/F	Lodorm
nuttall alkaligrass	N	2,108,000	0.5	C/I/NP	common
orchard grass	I	464,000	4	C or D/NP	Paiute
orchard grass	I	650,000	2	C/D/NP	Profile
orchard grass	I	464,000	4	C/I/NP	Chinook, Latar, Potomac
prairie cordgrass	N	183,000	6	W/D/NP	Red River
prairie junegrass	N	2,315,000	0.5	C/D/NP	common
prairie sandreed	N	273,000	4	W/D/S	Goshen
reed canarygrass	N	602,000	4	C/I/NP	common
ryegrass, perennial	I	247,000	4	C/I or D/NP	Friend, Linn
sand dropseed	N	5,680,000	0.5	W/D/NP	common

¹ Seeds per linear foot calculations:

$$\frac{\text{Seed/Lb} \times \text{Bulk Seeding Rate} \times \text{Row Spacing (In.)}}{43,560 \times 12 \text{ In.}} = \text{Seeds/Linear Foot}$$

² All seeding rates are shown for 12" spacing. For row spacing wider than 12", calculate seeding rates by:
 (Lb. PLS/Ac) x (12" divided by actual row spacing) = Actual Lb. PLS/Ac

³ C = Cool Season, W = Warm Season, I = Irrigated, D = Dryland, S = Spring Preferred Seeding, F = Fall Preferred Seeding, NP = no seasonal seeding preference. In general, spring seedings are preferred in Wyoming, particularly on dryland sites.

SPECIES	ORIGIN	SEEDS/LB	LBS/ACRE FOR FULL SEEDING	COOL/WARM IRR/DRY SPRING/FALL	CULTIVARS
Grasses cont'd					
squirreltail, bottlebrush	N	192,000	5.0	C/D/NP	Sand Hollow
switchgrass	N	389,000	2.5	W/I/S	Dacotah, Forestburg, Sunburst
timothy	I	1,300,000	2	C/I/NP	Climax, Drummond
wildrye, Altai	I	80,000	12	C/D/NP	Prairieland, Eajay, Pearl
wildrye, basin	N	125,000	6	C/D/NP	Magnar, Trailhead
wildrye, beardless	I	181,000	6	C/D/F	Shoshone
wildrye, Canada	N	115,000	6	C/D/NP	Mandan
wildrye, Mammoth	I	47,000	10	C/DNP	Volga
wildrye, Russian ⁴	I	170,000	6	C/I or D/NP	Vinall, Swift
wildrye, Russian ⁴	I	134,000	6	C/I or D/NP	Bozoisky Select, Mankota
Wheatgrasses					
beardless	N	109,000	6	C/D/NP	Whitmar
bluebunch	N	139,000	7	C/D/F	Secar, Goldar, Whitmar
Crested, fairway	I	200,000	4	C/D/NP	Fairway, Summit, Douglas
hybrid (quack x bluebu)	I	134,000	8	C/I or D/NP	Newhy, Ruff
intermediate	I	79,000	7	C/I or D/NP	Greenar, Oahe, Rush, Reliant
pubescent	I	80,000	7	C/I or D/NP	Luna, Manska
siberian	I	163,000	6	C/D/NP	P-27, Vavilov
slender	N	140,000	6	C/D/NP	Pryor, Revenue, San Luis
standard crested	I	188,000	5	C/D/NP	Nordan, Douglas
standard x fairway	I	175,000	5	C/D/NP	Hycrest, CDII
streambank	N	152,000	5	C/D/NP	Sodar
tall	I	79,000	10	C/D/NP	Alkar, Jose, Orbit
thickspike	N	145,000	5	C/D/NP	Bannock, Critana
western	N	93,000	6	C/D/NP	Arriba, Rodan, Rosana ⁵
Introduced Legumes					
alfalfa ⁶	I	225,000	5	N/A/I or D/NP	see footnote #6
alsike clover	I	700,000	4	N/A/ I or D/NP	common
birdsfoot trefoil	I	418,000	5	N/A/ I or D/NP	Empire, Leo
ladino clover	I	800,000	3	N/A/ I or D/NP	common
milkvetch, cicer	I	134,000	7	N/A/ I or D/NP	Lutana, Monarch, Windsor
red clover	I	272,160	6	N/A/ I or D/NP	common
sainfoin	I	18,500	34	N/A/ I or D/NP	Eski, Melrose
sweetclover, white	I	262,000	4	N/A/ I or D/NP	common
sweetclover, yellow	I	258,000	4	N/A/ I or D/NP	common

⁴ Minimum row spacing (width) is 18 inches

⁵ Arriba is acceptable in the southern half of Wyoming. Barton or Rodan are also acceptable in Major Land Resource Areas 60, 64, and 67.

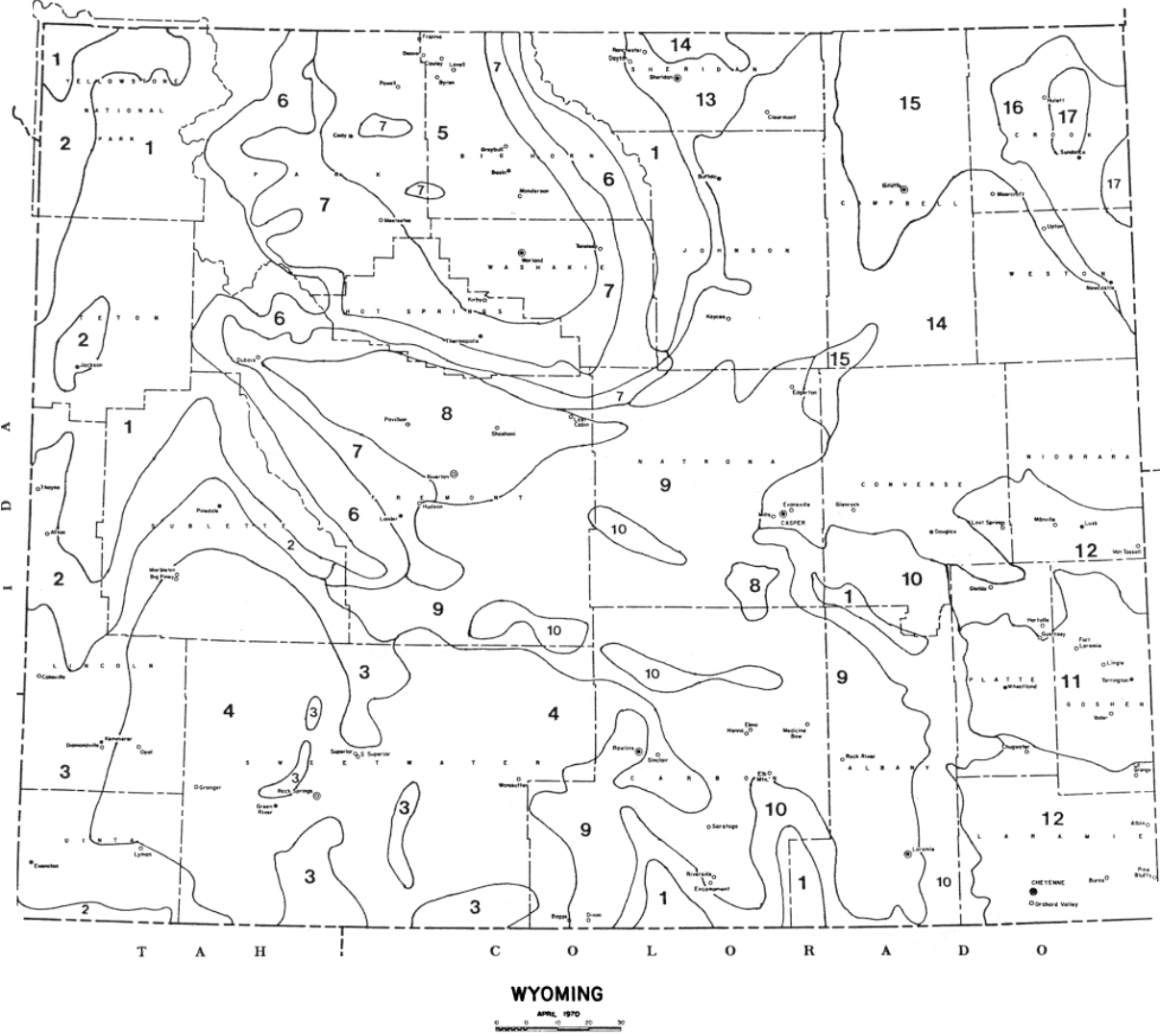
⁶ Alfalfa should have a Fall Dormancy rating of three (3) or less. See the latest Certified Alfalfa Seed Council Fall Dormancy and Pest Resistance Ratings for alfalfa varieties.

SPECIES	ORIGIN	SEEDS/LB	LBS/ACRE FOR FULL SEEDING	COOL/WARM IRR/DRY SPRING/FALL	CULTIVARS
Native Forbs and Legumes					
dotted gayfeather	N	136,000	6.4	N/A/D/NP	Nebkan
Lewis flax	N	286,690	5	N/A/D/NP	Appar
Maximilian sunflower	N	250,000	.1	W/D/NP	Prairie Gold, Medicine Creek
prairie coneflower	N	737,000	1.2	N/A/D/NP	Bismarck
purple prairieclover	N	275,000	3	N/A/D/NP	Kaneb, Bismarck
small burnet	N	42,243	20	N/A/D/NP	Delar
white prairieclover	N	278,000	3	N/A/D/NP	Antelope
Shrubs/Trees					
American plum	N	870	20	N/A	common
antelope bitterbrush	N	15,400	1.0-2.0	N/A	common
big sagebrush	N	2.4-3.2 x 10 ⁶	1	N/A	common
black cottonwood	N	NI	N/A	N/A	common
black hawthorn	N	22,600	0.5-1.0	N/A	common
box elder	N	13,400	0.25-0.5	N/A	common
bur oak	N	75	25	N/A	common
chokecherry	N	4,790	1.0-2.0	N/A	common
common juniper	N	36,500	<1.0	N/A	common
common snowberry	N	76,000	1.0-3.0	N/A	common
cudweed sagewort ⁷	N	3.0-4.5 x 10 ⁶	<0.25	N/A	Summit
curlleaf mt. mahogany	N	51,900	1	N/A	common
fourwing saltbush	N	49,000/24,500 ⁸	5/10	NA	Wytana
Gardner's saltbush	N	111,500	0.5	N/A	common
green ash	N	17,260	<0.25	N/A	common
green rabbitbrush	N	782,000	<0.5	N/A	common
green sagewort	N	4.5-4.7 x 10 ⁶	<0.5	N/A	common
horizontal juniper	N	29,500	<1.0	N/A	common
narowleaf cottonwood	N	NI	NI	N/A	common
Ponderosa Pine	N	12,595	N/A	NA	Hunter Select
Plains cottonwood	N	350-447,000	N/A	N/A	common
redosier dogwood	N	18,500	1	N/A	common
Rocky Mountain Juniper	N	27,100	<1.0	N/A	Bridger Select
rubber rabbitbrush	N	693,000	<1.0	N/A	common
serviceberry	N	82,000	0.5-1.0	N/A	common
shrubby cinquefoil	N	>1,000,000	<1.0	N/A	common
silverberry	N	3,800	1.0-2.0	N/A	common
skunkbush sumac	N	20,300	1.0-2.0	N/A	common
western snowberry	N	74,400	1.0-3.0	N/A	common
willow	N	2-3 x 10 ⁶	N/A	N/A	common
winterfat	N	111-210,000	<1.0	N/A	Open Range
Wood's rose	N	50,000	0.5-1.0	N/A	common
yucca	N	25,000	<1.0	N/A	common

⁷ Also known as Louisiana sagewort

⁸ dewinged/winged

FIGURE 1 - PRECIPITATION ZONES FOR DRYLAND SEEDING DATES⁹



⁹ All zones have inclusions. Use local knowledge

TABLE 2
DRYLAND SEEDING DATES BY PRECIPITATION ZONE

ZONE	PRECIPITATION	SEEDING DATE
1	20"+	Anytime except 8/20 to 9/20
2	15 – 19"	Anytime except 8/20 to 9/20
3	10 – 14"	9/20 to 5/20
4	7 – 9"	9/20 to 5/1
5	5 – 9"	10/15 to 4/15
6	15 – 19"	8/20 to 9/20
7	10 – 14"	10/1 to 5/15
8	5 – 9"	10/15 to 4/15
9	10 – 14"	10/1 to 5/15
10	15 – 19"	Anytime except 8/20 to 9/20
11	12 – 14"	10/25 to 5/1
12	15 – 17"	10/15 to 5/10
13	15 – 19"	10/25 to 5/20
14	10 – 14"	10/25 to 5/1
15	15 – 17"	10/25 to 5/20
16	15 – 19"	10/15 TO 5/25
17	20 – 24"	Anytime except 8/20 to 9/20

TABLE 3
IRRIGATED PASTURE AND HAYLAND SEEDING DATES

Location	Anytime Except:
Afton	August 1 to September 20
Baggs	August 1 to September 20
Buffalo	August 5 to October 25
Casper	August 5 to October 1
Cheyenne	August 15 to October 15
Cody	August 5 to October 15
Cokeville	August 1 to September 20
Douglas	August 5 to October 25
Dubois	August 5 to October 1
Farson	August 1 to September 20
Gillette	August 10 to October 25
Greybull	August 10 to October 15
Jackson	August 1 to September 20
Kaycee	August 1 to October 25
Lander	August 15 to October 1
Laramie	August 1 to September 20
Lovell	August 10 to October 15
Lusk	August 5 to October 15
Lyman	August 1 to September 20
Medicine Bow	August 1 to October 1
Newcastle	August 15 to October 25
Pinedale	August 1 to September 20
Powell	August 10 to October 15
Riverton	August 15 to October 15
Saratoga	August 1 to September 20
Sheridan	August 10 to October 25
Sundance	August 5 to October 15
Thermopolis	August 10 to October 15
Torrington	June 1 to Aug 10 & Sep 1 to Oct 25
Wheatland	June 1 to Aug 10 & Sep 1 to Oct 25
Worldand	August 10 to October 25

Data from Wyoming Climate Atlas by Brooks (in cooperation with Wyoming Water Resources Center, University of Wyoming). Approximately 6 weeks prior to fall 32-degree F mean.