PLANTING TIPS . . . Rangeland, Pastureland and Hayland

Duaine L. Dodds
Grassland Mgmt. Specialist

Leonard Jurgens
Range Conservationist, SCS

PLANNING

PREPARE THE LAND

• Control Weeds
  - Fallow/Herbicides
  - Plant Small Grains

DO NOT PROCEED IF FIELD NOT READY

INTENDED USE

• Rangeland
  • Rotation Pasture/Hay
  • Erosion Control

• Permanent Pasture/Hay

SELECT PROPER SPECIES AND VARIETIES FOR INTENDED USE AND SOIL CONDITIONS

INTRODUCED GRASSES/LEGUMES

• Pasture Production
• Hay Production
• Soil Improvement
• Erosion Control

NATIVE GRASSES

• Rangeland Seeding
• Pasture/Hay Production
• Stabilize Critical Areas

PLANTING ALTERNATIVES

EARLY FALL

<table>
<thead>
<tr>
<th>Stubble</th>
<th>Fall</th>
<th>Stubble</th>
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<tbody>
<tr>
<td>Direct seed into clean, weed-free seedbed—no soil preparation. Remove straw from previous crop if difficult to seed through.</td>
<td>Firm, weed-free seedbed—double pack in opposite directions using press drill, cultipacker or other suitable packing device.</td>
<td>Direct seed—No seedbed preparation. Remove straw from previous crop if difficult to seed through.</td>
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<td>Potential for hay crop harvest the following year. Do not graze until June 15 or later.</td>
<td>If well established next fall, moderate fall grazing permissible. Delay grazing on native grass until late fall or the following year.</td>
<td>Reduce companion crop seeding rate. Use 10 lbs in western areas and 15 lbs in eastern areas on sandy or drouthy soils. Use an early maturing oat variety. Harvest for hay or silage to eliminate shading.</td>
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<td>Plant from late summer to September 10 if soil moisture is adequate.</td>
<td>Plant just prior to freeze-up.</td>
<td>Legumes may be planted.</td>
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<td>Do not plant legumes. If desired, overseed in early spring.</td>
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• Plant shallow—½ to ¾-inch, up to 1-inch on sandy soils.

• Use a grass drill with depth control bands on discs if available. Native grass seed is often chaffy and easier to seed with grass drill.

• Clip and remove weeds, if a problem, on direct seeded areas. Clip 4-inches or more high. If possible, clip broadleaved weeds below lowest leaf branch but not closer than 4-inches, to prevent regrowth.

• Use a recommended preplant soil incorporated herbicide on pure stands of alfalfa direct seeded in the spring.

• 2,4-D may be applied on straight grass plantings for broadleaf weed control when grass seedling has 3 or more leaves. Use 2,4-DB on grass-alfalfa mixture when weeds and legume are less than 3-inches tall. Follow label instructions.

• Fertilize in establishment year if soil nutrient status is very low and each production year according to recommendations.

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