

## PLANT MATERIALS TECHNICAL NOTE

**Table 1. Seed Mixtures and Soil Suitability Recommendations for Conservation Cover  
(Introduced Species) <sup>1</sup>**

Seed Mixtures	Drainage Class				
	EWD	WD	MWD	SPD	PD
Orchardgrass 5 lbs/ac <b>and</b> Hard Fescue 6 lbs/ac <b>plus</b> Ladino Clover (upright improved varieties ) 2 lbs/ac <b>and</b> Red Clover 2 lbs/ac <b>or</b> 3 lbs/ac Birdsfoot trefoil ( upright varieties i.e. Pardee, Norcen or viking)		X	X		
Timothy 3 lbs/ac <b>and</b> Orchardgrass 4 lbs/ac <b>and</b> Bromegrass 3 lbs/ac <b>plus</b> Ladino Clover (upright improved varieties ) 2 lbs/ac <b>and</b> Red Clover 2 lbs/ac <b>or</b> 3 lbs/ac Birdsfoot trefoil ( upright varieties i.e. Pardee Norcen or viking)		X	X	X	
Timothy 3 lbs/ac <b>and</b> Orchardgrass 4 lbs/ac <b>and</b> Red top .5 lb/ac <b>plus</b> Ladino Clover (upright improved varieties ) 2 lbs/ac <b>and</b> Red Clover 2 lbs/ac <b>or</b> 3 lbs/ac Birdsfoot trefoil ( upright varieties i.e. Pardee) Norcen or viking)		X	X	X	X
Timothy 5 lbs/ac <b>and</b> Orchardgrass 5 lbs/ac <b>plus</b> Ladino Clover (upright improved varieties ) 2 lbs/ac <b>and</b> Red Clover 2 lbs/ac <b>or</b> 3 lbs/ac Birdsfoot trefoil ( upright varieties i.e. Pardee Norcen or viking)		X	X	X	

<sup>1</sup> Use early varieties of the grasses when available to facilitate earlier stem elongation providing earlier cover.  
These seeding recommendations are for wildlife purposes and not for critical area and highly erodible areas.

EWD = Excessively Well Drained; WD = Well Drained; MWD = Moderately Well Drained;  
SPD = Somewhat Poorly Drained; PD = Poorly Drained

TECHNICAL NOTES

**Table 2. Seed Mixtures and Soil Suitability Recommendations for Conservation Cover  
 (Native Warm Season Grass Species )<sup>1</sup>**

**Grass seeding rates are PURE LIVE SEED.** These seeding rates ASSUME drilling seed and proper weed control. If a drill is NOT used, increase total grass seeding rate by 20%.

Seed Mixtures	Drainage Class				
	EWD	WD	MWD	SPD	PD
Switchgrass 2 lbs/ac <b>and</b> <sup>2</sup> Deertongue 4 lbs/ac <b>and</b> Eastern gamagrass 5 lbs/ac <b>optional</b> *Native Forbs		X	X	X	X
Big bluestem 2 lbs/ac <b>and</b> Indiangrass 3 lbs/ac <b>and</b> Little bluestem 3 lbs/ac <b>and</b> Deertongue 2 lbs/ac <b>optional</b> *Native Forbs	X	X			
Big bluestem 4 lbs/ac <b>and</b> Indiangrass 4 lbs/ac <b>and</b> Switchgrass 2 lbs/ac <b>optional</b> *Native Forbs	X	X	X	X	
Big bluestem 3 lbs/ac <b>and</b> Indiangrass 3 lbs/ac <b>and</b> Deertongue 3 lbs/ac <b>and</b> Switchgrass 2 lbs/ac <b>optional</b> *Native Forbs		X	X	X	X

\* Utilizing 5 species from the list. Rates based on seed size and weight and cost consideration.

<sup>1</sup> These seeding recommendations are for wildlife purposes and not for critical area and highly erodible areas

<sup>2</sup> This mix will not require the use of a native grass drill. If seeding conventionally, seed gamagrass 1-1 1/2" deep in grain box. Seed the remaining grass in legume box, pull tubes to allow surface seeding. Cultipack after drilling. The rest of the mixes will require a native grass drill.

EWD = Excessively Well Drained; WD = Well Drained; MWD = Moderately Well Drained;  
 SPD = Somewhat Poorly Drained; PD = Poorly Drained

**Table 3. Seed Mixtures and Soil Suitability Recommendations for Conservation Cover  
(Native Warm and Cool Season Grass Species )<sup>1</sup>**

**Grass seeding rates are PURE LIVE SEED.** These seeding rates ASSUME No-Till Seeding. If a No-Till Drill is NOT used, increase Total grass seeding rate by 2 lbs. proportional based on existing seeding ratio.

Seed Mixtures <sup>2</sup>	Drainage Class				
	EWD	WD	MWD	SPD	PD
Indiangrass 2 lbs/ac <b>and</b> Switchgrass 1 lb/ac <b>and</b> Little blustem 3 lbs/ac <b>and</b> Canada wildrye 5 lbs/ac <b>optional</b> *Native Forbs	X	X			
Big bluestem 4 lbs/ac <b>and</b> Indiangrass 2 lbs/ac <b>and</b> Switchgrass 1 lb/ac <b>and</b> Canada wildrye 5 lbs/ac <b>optional</b> *Native Forbs		X	X		
Big bluestem 4 lbs/ac <b>and</b> Eastern gamagrass 2 lbs/ac <b>and</b> Switchgrass 1 lb/ac <b>and</b> Virginia wildrye 4 lbs/ac <b>and</b> Deertongue 1 lb/ac <b>optional</b> *Native Forbs			X	X	
Fowl bluegrass 1/2 lb/ac <b>and</b> Fringed bromegrass 4 lbs/ac <b>and</b> Riverbank wildrye 4 lbs/ac <b>and</b> Virginia wildrye 4 lbs/ac <b>and</b> Switchgrass 1/2 lb/ac <b>optional</b> *Native Forbs		X	X	X	X
Fringed bromegrass 4 lbs/ac <b>and</b> Canada wildrye 6 lbs/ac <b>and</b> Switchgrass 1 lbs/ac <b>and</b> Deertongue 2 lbs/ac <b>optional</b> *Native Forbs		X	X	X	

\* Utilizing five species from the list. Rates based on seed size and weight and cost consideration.

<sup>1</sup> These seeding recommendations are for wildlife purposes and not for critical area and highly erodible areas.

<sup>2</sup> Low rates of switchgrass, deertongue, and fowl bluegrass will require monitoring of seedbox to maintain seed over seed drop opening.

EWD = Excessively Well Drained; WD = Well Drained; MWD = Moderately Well Drained;  
SPD = Somewhat Poorly Drained; PD = Poorly Drained

**Table 4. Seed Mixtures and Soil Suitability Recommendations for Conservation Cover  
 (Native Cool Season Grass Species )**

**Grass seeding rates are PURE LIVE SEED.** These seeding rates ASSUME No-Till Seeding. If a No-Till Drill is NOT used, increase Total grass seeding rate by 2 lbs. proportional based on existing seeding ratio.

Seed Mixtures	Drainage Class				
	EWD	WD	MWD	SPD	PD
Canada wildrye 5 lbs/ac <b>and</b> Riverbank wildrye 3 lbs/ac <b>and</b> and Bottlebrush 2 lbs/ac <b>optional</b> *Native Forbs		X	X	X	
Canada wildrye 4 lbs/ac <b>and</b> Virginia wildrye 4 lbs/ac <b>and</b> Riverbank wildrye 4 lbs/ac <b>and</b> Fringed brome grass 4 lbs/ac <b>and</b> <b>optional</b> *Native Forbs		X	X	X	
Riverbank wildrye 4 lbs/ac <b>and</b> Virginia wildrye 4 lbs/ac <b>and</b> Fringed brome grass 6 lbs/ac <b>and</b> and Fowl bluegrass 1/2 lb/ac <sup>2</sup> <b>optional</b> *Native Forbs				X	X

\* Utilizing five species from the list. Rates based on seed size and weight and cost consideration.

<sup>1</sup> These seeding recommendations are for wildlife purposes and not for critical area and highly erodible areas.

<sup>2</sup> Fowl bluegrass can be too competitive at high seeding rates, at low rates need to check seed box to assure flowing into seed drop opening, or divide seed into smaller units and place with the other seeds at appropriate intervals.

EWD = Excessively Well Drained; WD = Well Drained; MWD = Moderately Well Drained;  
 SPD = Somewhat Poorly Drained; PD = Poorly Drained