

# Floodplain Mixture

Contains: Big Bluestem, Canada Wild-rye, Fox Sedge, Virginia Wild-rye, Switch-grass and Western Wheatgrass

## Characteristics

- Grasses are all deep rooted
- All species are well adapted to varying soil types
- Species have excellent tolerance to standing water from 14-60 days
- Will tolerate seasonal dry periods

## Seeding Information

*Seeding Rates:* 15-20 Lbs per acre – Increase rate when wet conditions dictate broadcast seeding

*Seeding Dates:* April – July *Dormant Seeding:* November – March

*Germination Times:* 14-28 Days (as a mix)

## Seeding Method

Drill seeding is the best method for seeding this mixture. If wet conditions exist, broadcast, then work seed into soil as best as possible.

## Uses

Use this mixture of deep rooted grasses for wetlands or to re-establish damaged flood plains. The tolerance to standing water of these grasses varies from 14 to 60 days. This mixture may also be used along fluctuating shorelines, dams and lowland pastures.

This analysis tag is your verification of variety and quality

<b>Floodplain Mixture</b>					Lot Number: FPM-12
Item	Purity	Germ.	Origin	Lot Number	
Western Wheatgrass	33.01%	85%	CO	WWB-4004	
Virginia Wildrye	24.11%	84%	IA	K6612	
Big Bluestem-Pawnee	14.10%	84%	NE	BBK-4047	
Switchgrass-NE28	7.70%	85%	NE	2443	
Canada Wildrye	7.73%	86%	IA	L8306	
Reed Canarygrass	4.15%	83%	PA	L3004	
Red Top Bentgrass	4.15%	83%	PA	7227005	
Total Purity: 90.80%		Crop: 0.37%	Inert: 8.77%	Weeds: 0.06%	AMS: 127
Net Weight: 20.0 Lbs		Tested: JAN-12		Excess Noxious Weeds: None	

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Components and/or percentages of the above blend may vary



## General Seeding Guidelines

### A. SEED TIMING

- a. Seed from April 15<sup>th</sup> to June 21<sup>st</sup> or
- b. Dormant Seeding after November 15<sup>th</sup> will germinate the following Spring and requires at least 25% more seed because some will be lost

### B. SITE PREPARATION

- a. Conduct one soil test per acre to determine soil additives needed
- b. Ensure soil pH is between 6.0 and 7.0
- c. Eliminate existing vegetation
  - i. Spray with non-selective herbicide
  - ii. Remove dead vegetation through mechanical means
- d. Add recommended soil amendments, pH adjustment materials, and fertilizer
- e. Plow and disk area twice or till soil to a 4-6 inch depth
- f. Remove rocks and debris larger than one inch diameter
- g. Culti-pack to ensure a firm seedbed
- h. Apply 1 lb phosphorous (P) (2.27 lbs P<sub>2</sub>O<sub>5</sub>) / 1000 ft<sup>2</sup> to soil surface

### C. SEEDING METHOD

- a. Seeding method is based on slope and soil at site
- b. Broadcast-, drop-, slit-, or drill-seed flat areas where erosion is not a concern
  - i. Seed should be planted 0.125 to 0.25 inches below soil surface
  - ii. Plant two directions putting ½ of seed down each direction
  - iii. Gently roll, rake, or culti-pack seeded area to ensure good soil-to-seed contact
- c. Hydro-seed steep slopes where erosion is a concern
  - i. When hydro-seeding, broadcast ½ of the seed before hydro-seed mixture is applied and place ½ of the seed in hydro-seed mixture

### D. WATERING REQUIREMENTS

- a. Water to field capacity immediately after seeding
  - b. The first three weeks after seeding, keep top 1.5 inches of soil moist\*
  - c. Weeks four through six after seeding, water 3-4 times per week
  - d. Six weeks after seeding water when plants begin to show draught stress
- \*Number of times to water per day depends on temperature, humidity, wind, and rainfall

### E. FERTILIZING & MOWING

- a. Fertilization schedule should be based on soil tests for native grasses
- b. Mowing is important for native grass establishment
  - i. Four weeks after seeding mow to a height of 6 inches
  - ii. Following first mowing, mow every 4th weeks at a height of 12 inches until August and then cease mowing
  - iii. Do not mow after the first year