

**WEST SOURIS RIVER CONSERVATION DISTRICT**  
**BOX 339,**  
**Reston, MB R0M 1X0**  
**Phone: (204) 877-3020 Fax: (204) 877-3090**  
[www.wsrcd.com](http://www.wsrcd.com)

**PROBLEM SOILS APPLICATION**

**APPROVED: # 103-06-06**

**OBJECTIVE:** The purpose of this program is to assist landowners in the establishment of forages on soils that may be unproductive under annual cereal cropping due to one or more of the following conditions:

- 1) Salinity
- 2) Flooding
- 3) Drought

**Please print**

NAME: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_  
(Box Number) (Town) (Postal Code)

TELEPHONE NUMBER: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

LEGAL LAND DESCRIPTION OF PROJECT: \_\_\_\_\_  
(Quarter) (Section) (Township) (Range) (e.g. NW 1-2-3)

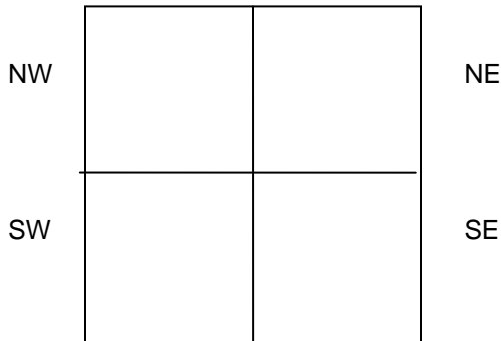
R.M. of \_\_\_\_\_

**Project Diagram:**

Comments:

Outline extent of problem and improvements to date, if any.  
Salinity \_\_\_\_\_ Flooding \_\_\_\_\_ Droughty \_\_\_\_\_

Please indicate problem area on diagram



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For More Information contact the WSRCD at:  
Phone: 877-3020 Fax 877-3090  
E-mail: [manager@wsrcd.com](mailto:manager@wsrcd.com)

Please return completed application forms to:  
West Souris River Conservation District  
Box 339, Reston, MB. R0M 1X0

No. Of Acres \_\_\_\_\_ Date of Anticipated Seeding \_\_\_\_\_

Seed Mixture	LBS/acre	Cost/acre

Soil Test Results (Salinity Applicants) \_\_\_\_\_

Electrical Conductivity (mmhos) \_\_\_\_\_

**Please submit copy of invoices for the seed purchase.**

**Cropping History**

Give crop history for last 2 years and results of that year's cropping.

Last Year

Year Before

Crop \_\_\_\_\_ Yield \_\_\_\_\_ Crop \_\_\_\_\_ Yield \_\_\_\_\_

**PROGRAM DETAILS AND ELIGIBILITY**

1. Deadline for applications will be June 1. Applications will be reviewed and approved by WSRCD with the payout being in October.
2. Project land must be within West Souris River Conservation District Boundaries and applicant must approve consent of entry for inspection. Must not be eligible for or accepted by other existing programs.
3. Upon approval the applicant is eligible for \$10.00/acre to a maximum of \$400.00/farm with a minimum of 10 acres.
4. Application must be in landowners name and applicants are only eligible to apply every 3<sup>rd</sup> year.
5. Priority may be given to those who have attempted to improve soil conditions with the addition of manure or organic matter, reduced tillage or establishment of salt tolerant crops. The District also reserves the right to prioritize applications based on available funding and associated risks of that land classification.
6. Droughty soils refer to those classified as Class 4, 5 or 6 for capability for agriculture.
7. Planted forages must meet establishment criteria to be eligible for funding.

**TERMS AND CONDITIONS**

Terms and conditions vary depending on soil problem.

Problem specific conditions are as follows:

**Salinity**

-Landowner must soil test to determine severity of affected area prior to seeding.

-Affected areas must be moderately to severely saline (having an electrical conductivity of 4mmhos or greater)

-Forages having tolerance to salinity must be used. (See Appendix A- Recommended Forage Mixes)

**Flood Prone Areas**

-Forages having tolerance to extended flooding must be used. (See Appendix A)

**Droughty Soils**

-Forages having tolerance to soil moisture deficiencies must be used. (See Appendix A)

-Where wind erosion risk is high, measures must be taken to minimize the risk and conserve soil moisture.

**GENERAL CONDITIONS**

-Landowners must use recommended herbicides and fertilizers.

-Landowners shall not cultivate burn or otherwise damage established forage for a period of 5 years.

-Landowners will be required to replace at 100% cost if damaged as a result of owners neglect or misuse.

-WSRCD will inspect fields for emergence of forage in first year and may make annual inspections for a period of 5 years after establishment

**I hereby declare that I have read and understand the terms and conditions of the Problem Soils program, and I do hereby agree to abide by said terms and conditions of the agreement**

**Date:** \_\_\_\_\_ **Signature:** \_\_\_\_\_  
(Landowner)

**OFFICE USE ONLY**

Sub District \_\_\_\_\_

Date Application Received \_\_\_\_\_

Approved \_\_\_\_\_ Not Approved \_\_\_\_\_

Comments \_\_\_\_\_

Signature of Approval \_\_\_\_\_ Date of Review \_\_\_\_\_

GPS Co-ordinates E \_\_\_\_\_ N \_\_\_\_\_

Signature of Board Representative \_\_\_\_\_

Date of Application Review \_\_\_\_\_

## APPENDIX A

### RECOMMENDED FORAGE MIXES

#### SALINITY MIX

Mix #1 - (Moderately Saline 4-7 mmhos)

Sweet Clover		2lbs.
Alfalfa (creeping root)	2lbs	
Russian Wild Rye		3lbs
Slender Wheatgrass		3lbs

Mix #2 - (Severely Saline 7+ mmhos)

Tall Wheatgrass	4.5 lbs	
Slender Wheatgrass		4.5 lbs
Alfalfa (Creeping Root)	2.5 lbs	
Sweet Clover		2.5 lbs

Other species with Salinity Tolerance include Altai Wild Rye and Tall Fescue

#### Flooded Areas

Recommend forages include: Tall Fescue, Reed Canary Grass, Timothy, Slender Wheatgrass, Meadow Fescue, Tall Fescue, Smooth Brome, Alfalfa, Sweet Clover.

#### Droughty Soils

Recommended forages include: Slender Wheatgrass, Russian Wild Ryegrass, Meadow Fescue, Tall Fescue, Smooth Brome, Meadow Brome, Alfalfa, Sweet Clover, and Crested Wheat Grass.