

## **2006 PROJECTS and ACTIVITIES**

### ***School Program***

Focus: Integration of food production with environmental health and preservation of wildlife habitat

Learning experience based on hands-on activities

~1,500 students each year (with 200+ accompanying educators and parents)

Reach is 305 schools within a two-hour radius

### ***Field-Scale Annual Cropping Projects***

1. 5020 INVIGOR CANOLA (40 ACRES)

Seeded: 20 May @ 5#/ac

In-crop: Liberty and Select, 19 June

Post-harvest: Touchdown iQ

*Supported by: Bayer, Syngenta*

2. AC INTREPID HARD RED SPRING WHEAT (23 ACRES)

Bin run seed from 2005 harvest

Seeded: 31 May @ 2 bu/ac

Seed treatment: Dividend

Pre-emergent burn-off: 1 June

Fertilizer: 40# N seed-placed; 15# N, 28# P, 5# S dribble banded 7 July

In-crop: Refine Extra TNG, 2 July

Preharvest: Touchdown iQ

*Supported by: Syngenta*

3. SNOWBIRD HARD WHITE SPRING WHEAT (8 ACRES)

Stored from 2005 seeding – treated in 2005 with Raxil T

Pre-seed burn-off: 1 June

Seeded: 2 June

Fertilizer: 55# N, 28# P, 5# S dribble banded 7 July

In-crop: Refine Extra TNG, 2 July

Preharvest: Touchdown iQ

*Supported by: Syngenta*



## ***Small-scale Demonstrations and Projects***

1. INVESTIGATING CROP DEVELOPMENT OPPORTUNITIES IN NORTH CENTRAL SASKATCHEWAN  
Small garden plots seeded at two locations – 26 May and 15 June  
Crops include: Camelina, Fibre flax, Niger, Oilseed radish, Turnip, Prairie Carnation, Fenugreek, Buckwheat, Sunflower, Chickling vetch, Faba bean, Pinto bean, Soybean, Golden German millet, Switch grass, Corn,  
*Supported by: Agri-ARM – Saskatchewan Agriculture and Food, Agriculture and Agri-Food Canada, Monsanto*
2. DWARF SOUR CHERRIES  
Varieties: Sask Carmine Jewel, SK7-7-5.8, SK7-19-27.6, SK7-21-16.3, SK7-21-31.0, SK7-32-19.1  
Planted: 30 May 2005  
*Supported by: Agri-ARM – Saskatchewan Agriculture and Food, Prairie Plant Systems*
3. BLUE HONEYSUCKLE (HASKAP)  
Varieties: Lazurnaya, Ognennyi Opal, Goluboe Vereteno, Berel, Gerde, Zolushka  
Planted: 6 July 2005  
*Supported by: Agri-ARM – Saskatchewan Agriculture and Food, University of Saskatchewan*

## ***Funded Projects***

1. RIPARIAN MANAGEMENT IN A CULTIVATED LANDSCAPE  
Target Carrot River Watershed annual crop producers  
Encourage BMPs for annual crop producers around riparian areas  
Assist producers to ‘square-up’ fields  
Established demonstration sites at Kinistino, Melfort (2), Armley  
Hold field days and workshops to facilitate BMP adoption  
*Supported by: Greencover Canada Technical Assistance Program, Agriculture and Agri-Food Canada, Saskatchewan Agriculture and Food, Saskatchewan Water Authority*
2. CONSERVATION AND KIDS – EDUCATING YOUTH ABOUT CONSERVATION, THE ENVIRONMENT AND PRIMARY FOOD PRODUCTION  
Work with young Saskatchewanians to inspire an interest and awareness in science and our environment  
Provide hands-on experiences with soils, plants, water habitats, wildlife, and our agriculture sector  
Increase awareness of conservation in agriculture production; its importance and impact on soils, water and wildlife habitat  
Curriculum based content in the program works with the educators and students  
*Supported by: PromoScience, Natural Sciences and Engineering Research Council*



3. KIDS AND CLIMATE CHANGE: A VERMI-COMPOSTING PROJECT  
Red-wiggler worms are used to compost organic household waste with no smell, indoors, reducing the garbage produced  
Tubs with worms will be distributed to schools in the fall where they will care for the worms for six months  
Through this project, children can take an active role, reducing waste in landfills  
*Supported by: EcoACTION Community Funding (Environment Canada)*

#### 4. RISKS AND LIMITS

Agricultural based, decision making model targeted at Gr.8-10

Provides a clear example on how decisions are made, weighing the risks and limitations imposed in a given scenario

*Supported by: Community Initiatives Fund, Saskatchewan Rivers School Division #119, Prince Albert Roman Catholic Separate School Division #6*



### ***Outside Research and Demonstrations at the CLC***

1. GOAL 2XL Weed Control Trial – 2006 trial (*Saskatchewan Forest Centre*)
2. Development of GOAL2XL for Afforestation with Poplar Species – 2005 trial (*Poplar Council of Canada, Saskatchewan Forest Centre*)



3. Herbicide Weed Control in Hybrid Poplar – 2006 addition to 2005 trial (*Saskatchewan Forest Centre*)
4. Native Plant Diversity Study (*Ducks Unlimited Canada*)

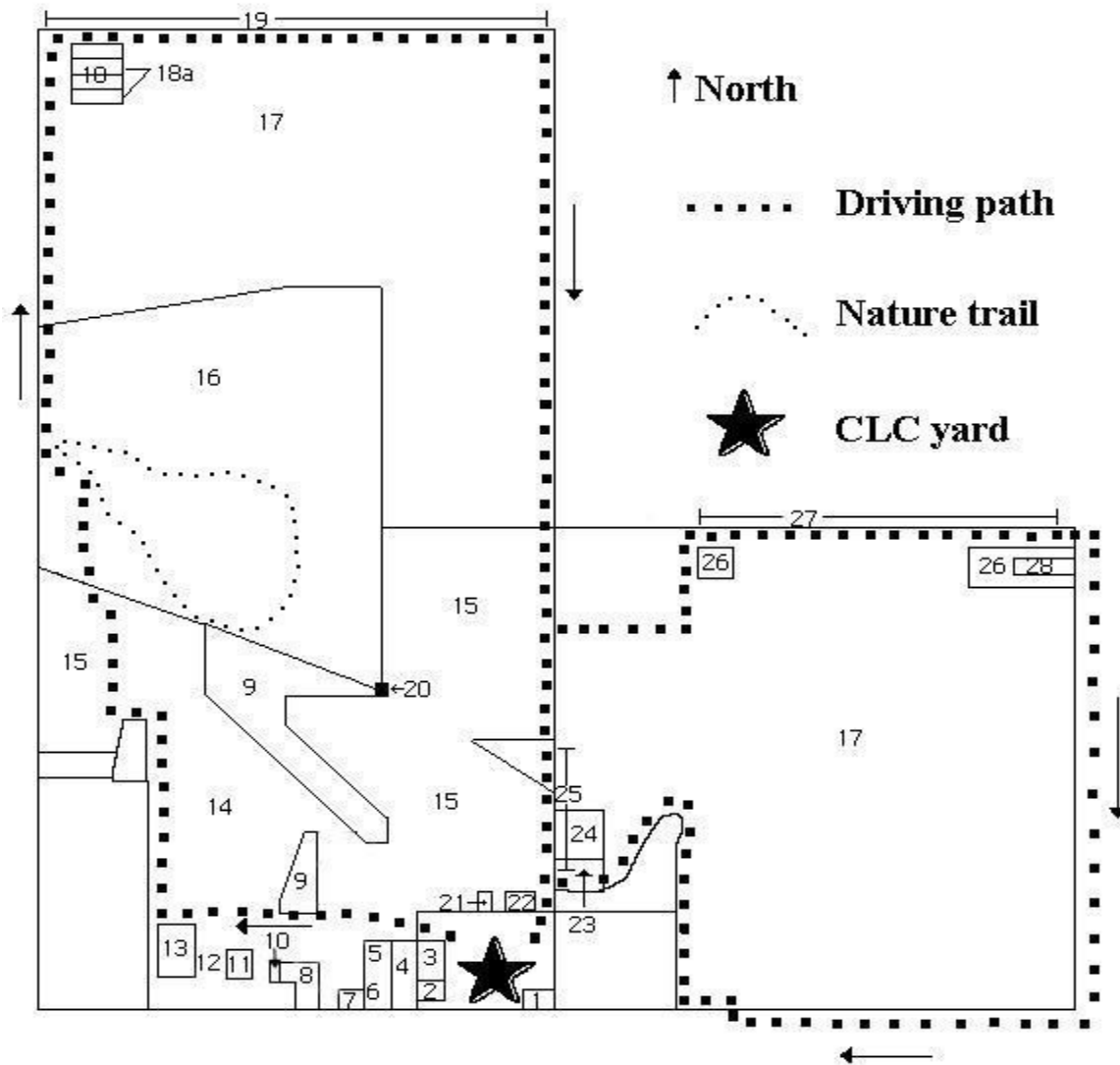
### ***Features at the CLC***

1. Wetland Wonder Nature Trail (*Ducks Unlimited Canada*)  
A 1 km trail through dense nesting cover (habitat for waterfowl, song birds, wildlife)
2. Corn Maize (*Monsanto*)
3. Riparian Forage Barriers Around Wetlands
4. Xeriscape Garden
5. Herb Garden
6. Woodlot (*Agriculture and Agri-Food Canada and Canadian Forestry Service*)
7. Shelterbelt Species Garden (*Agriculture and Agri-Food Canada*)
8. Siberian Larch Line Test (*Agriculture and Agri-Food Canada*)
9. Tree Establishment and Vegetation Control (*Agriculture and Agri-Food Canada*)
10. Fruit Shrubs
11. White Spruce Field Shelterbelt
12. Green Ash Field Shelterbelt
13. Environmental Containment Pit for Liquid Fertilizers
14. Forest Belt / Wildlife Corridor

### ***On-Going Activities***

1. Meteorological Data Collection
2. Bertha Army Worm Monitoring
3. Wild Plant Collection
4. Wildlife Survey

## Conservation Learning Centre – Projects 2006



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| <ol style="list-style-type: none"> <li>1. Dwarf sour cherries and blue honeysuckle</li> <li>2. Xeriscape garden</li> <li>3. Herb garden</li> <li>4. Woodlot</li> <li>5. Siberian larch line test</li> <li>6. Tree establishment and weed control</li> <li>7. Fruit shrubs</li> <li>8. Goal2XL weed control for poplar trees</li> <li>9. Riparian barriers</li> <li>10. Novel crops</li> <li>11. Corn maize (Monsanto)</li> <li>12. Snowbird hard white spring wheat</li> <li>13. Shelterbelt species garden</li> <li>14. AC Intrepid hard red spring wheat</li> <li>15. 5020 Canola</li> <li>16. Dense nesting cover</li> <li>17. Rented out land</li> <li>18. Direct-seeded forage grasses and legumes             <ol style="list-style-type: none"> <li>a. Swine manure injections</li> </ol> </li> <li>19. White spruce field shelterbelt</li> </ol> | <ol style="list-style-type: none"> <li>20. Meteorological (weather) station</li> <li>21. Native plant diversity study</li> <li>22. Environmental containment pit</li> <li>23. Novel crops</li> <li>24. Forage demonstration plots (SW seed)</li> <li>25. Forest belt</li> <li>26. HybriForce 400 hybrid force alfalfa (Brett-Young)</li> <li>27. Green ash field shelterbelt</li> <li>28. Saskatchewan Forage Variety Trial test plots</li> </ol> |
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