CSIDC STRATEGIC FRAMEWORK 1999 - 2006

ACTIVITIES



OUTPUTS



REACH —— OUTCOMES —— IMPACT

CROP DIVERSIFICATION & PROCESSING

- Develop a market-driven approach to evaluating new crop species and varieties with economic potential for production of food or consumer demand products (bio-medical, bioenergy, bio-product)
- Development of production packages to promote the production of promising material
- Demonstration of varieties and technology on a field scale basis
- · Technology transfer

IRRIGATED CROP INTENSIFICATION

- Evaluation of new and/or existing genetic material for selected irrigated crops to test their response under irrigation
- Evaluation of agronomic practice and development of production practices
- Demonstration on a field scale basis with appropriate varieties and technology
- Technology transfer

• Vogetable tunnels and

- Vegetable tunnels and use of plastic mulch
- · Extended storage for potatoes and vegetables
- Use of transplants in production of medicinal herbs
- Spearmint production

INFORMATION PRODUCTS/EVENTS

- Agronomic production practices
- Scientific papers and reports
- Annual report
- · Variety guide
- · Annual field day
- · Commodity tours
- · Presentations at extension events
- · Fact sheets and brochures
- · Website information

SERVICES

- Agronomic advice about irrigated production
- · Identification of market trends

PRIMARY CLIENTS

- Irrigation farmers
- · Agriculture industry

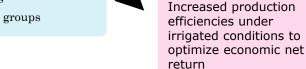
SECONDARY CLIENTS

- · Agribusinesses
- Agriculture extension staff
- Researchers
- Commodity groups

Increased crop diversification and value added opportunities on Saskatchewan's irrigated land base

RURAL ECONOMIC DEVELOPMENT

Long-term rural economic growth through irrigated crop production



WATER USE EFFICIENCY

- Investigate and demonstrate low energy and drip irrigation technologies.
- Develop and demonstrate irrigation scheduling methods for irrigated crops.

NEW TECHNOLOGIES

- Low energy and drip irrigation technologies
- · Irrigation scheduling methods
- · BMP's for agro-chemical use

PRIMARY CLIENTS

- Irrigation farmers
- Canadian public

SECONDARY CLIENTS

- · Agribusinesses
- · Agriculture extension staff
- Researchers

Increased water use efficiencies for irrigated production systems

Protection of land and

sustainable irrigation

production practices

environmentally

water resources through

+

MANAGEMENT Sustainable management of land

SUSTAINABLE IRRIGATION

and water resources under irrigation production systems

PROTECTION OF LAND AND WATER

- Evaluate agro-chemical movement in the soil and to the surface and groundwater under irrigated conditions.
- Develop Best Management Practices for agrochemical use under irrigated conditions.
- Reclaim and maintain saline crop lands using sub-surface drainage and appropriate water management practices.
- Evaluate the impact of irrigation on greenhouse gas production



INFORMATION PRODUCTS/EVENTS

- · Agronomic production practices
- Scientific papers and reports
- Annual report
- · Annual field day
- · Presentations at extension events
- · Fact sheets and brochures
- Website information
- · Water management advice

SERVICES

· Agronomic advice about irrigated production

