CSIDC STRATEGIC FRAMEWORK 1999 - 2006

ACTIVITIES → OUTPUTS → REACH → OUTCOMES → IMPACT

ACTIVITIES

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, bio-energy, 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

WATER USE EFFICIENCY

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

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 agro-chemical 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

OUTPUTS

NEW TECHNOLOGIES

- 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

NEW TECHNOLOGIES

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

INFORMATION PRODUCTS/EVENTS

- Agronomic production practices
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- Water management advice

SERVICES

- Agronomic advice about irrigated production

REACH

PRIMARY CLIENTS

- Irrigation farmers
- Agriculture industry

SECONDARY CLIENTS

- Agribusinesses
- Agriculture extension staff
- Researchers
- Commodity groups

PRIMARY CLIENTS

- Irrigation farmers
- Canadian public

SECONDARY CLIENTS

- Agribusinesses
- Agriculture extension staff
- Researchers

OUTCOMES

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

Increased production efficiencies under irrigated conditions to optimize economic net return

Increased water use efficiencies for irrigated production systems

Protection of land and water resources through environmentally sustainable irrigation production practices

IMPACT

RURAL ECONOMIC DEVELOPMENT
Long-term rural economic growth through irrigated crop production

SUSTAINABLE IRRIGATION MANAGEMENT
Sustainable management of land and water resources under irrigation production systems