

# Irrigation FACTSHEET

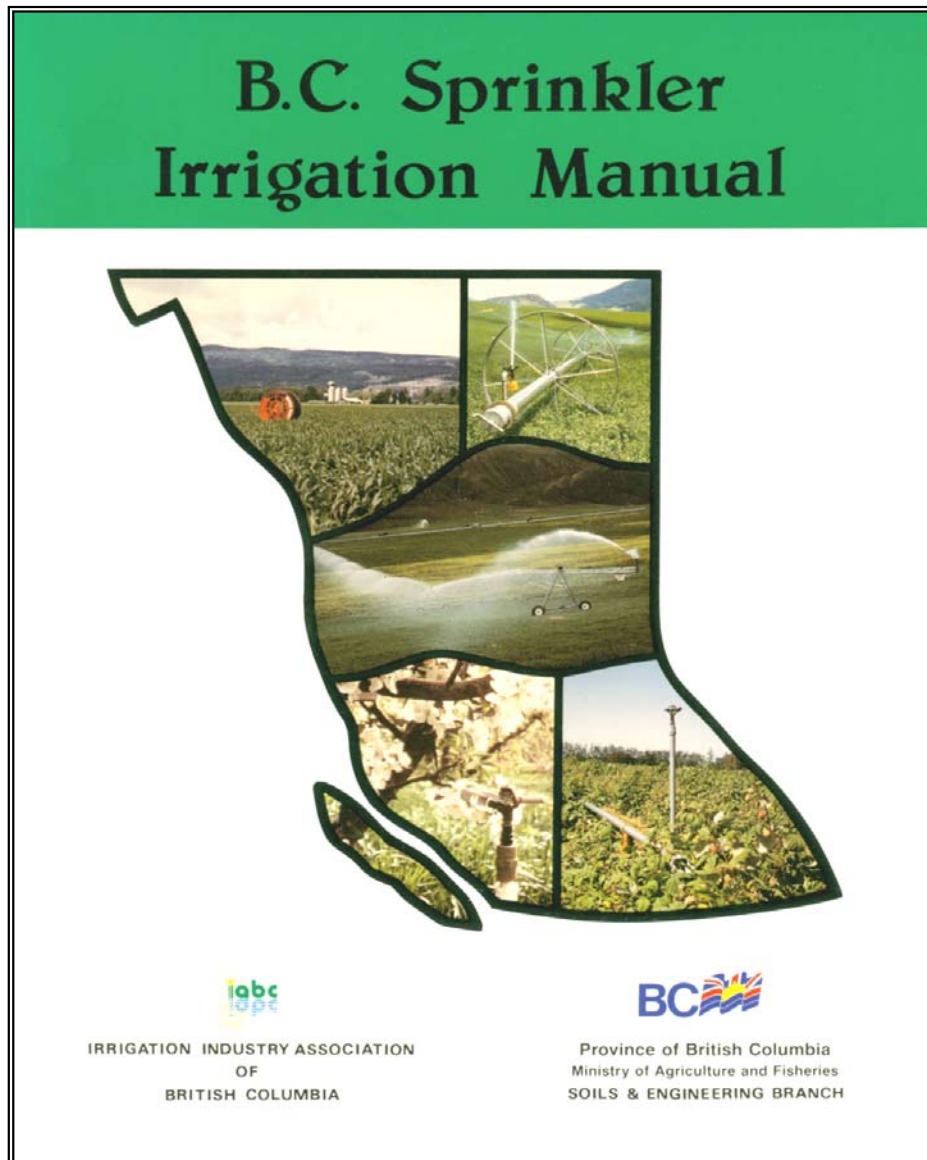


BRITISH  
COLUMBIA

Ministry of Agriculture and Food

Order No. 552.000-1  
Agdex: 753  
April 1995

## B.C. SPRINKLER IRRIGATION MANUAL



This published book contains approximately 140 pages of valuable information on sprinkler irrigation in British Columbia. This publication can be obtained directly from the **Irrigation Association of British Columbia** for a cost of \$10.00 for BC farmers, \$15.00 for non-BC farmers and other areas of Canada (plus taxes, shipping and handling charges). This publication is also available to others outside Canada. Please contact **IIBC** directly for cost. See next page for ordering information.

# B.C. SPRINKLER IRRIGATION MANUAL

## Table of Contents

- SECTION 1 Introduction
- SECTION 2 Crops, Soil and Climate Parameters
- SECTION 3 Sprinkler System Selection and Design
- SECTION 4 Stationary Gun Design
- SECTION 5 Travelling Gun Design
- SECTION 6 Center Pivot Design
- SECTION 7 Mainline Design and Installation
- SECTION 8 Pumps and Power
- SECTION 9 Diversions and Intakes
- SECTION 10 Irrigation Water Quality
- SECTION 11 Economic and Financial Analysis
- APPENDIX A Properties of Irrigation Pipe
- APPENDIX B Friction Loss Tables
- APPENDIX C Soil Sampling Procedure
- APPENDIX D Coefficient of Uniformity
- APPENDIX E Sprinkler Irrigation Design Information Sheet
- APPENDIX F Metric Conversion Table
- APPENDIX G Sample Irrigation Plans

---

## Ordering Information

When ordering please ensure that your full name, full mailing address, and phone number are included.

**Irrigation Association of British Columbia**

**2330 Woodstock Drive**

**Abbotsford, B.C.**

**V3G 2E5**

**Phone/Fax: (604) 859-8222**

For further information on related topics, please visit our website

**Resource Management Branch**

[www.agf.gov.bc.ca/resmgmt](http://www.agf.gov.bc.ca/resmgmt)

Linking to our

**Publications and Conceptual Plans**

---

### FOR MORE INFORMATION CONTACT

Ted Van der Gulik, Senior Engineer

Phone: (604) 556-3112

Email: [Ted.vanderGulik@gems8.gov.bc.ca](mailto:Ted.vanderGulik@gems8.gov.bc.ca)

### RESOURCE MANAGEMENT BRANCH

Ministry of Agriculture and Food

1767 Angus Campbell Road

Abbotsford BC CANADA V3G 2M3