

B.C. SPRINKLER IRRIGATION MANUAL

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PREFACE

This manual provides design information for agricultural sprinkler irrigation systems in British Columbia. Wheel lines, solid set sprinkler, guns and travelling guns and center pivot systems are all covered. The manual provides the designer with data on soils, crops, and evapotranspiration rates; how to calculate irrigation system water requirements, application rates, set times and irrigation intervals; and design information on piping, pumps, screens and water diversions.

This version of the manual replaces the B.C. Sprinkler Irrigation Manual 1989 issue. Some of the design information has been compiled from other publications which are referenced throughout the manual.

ACKNOWLEDGEMENTS

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LIMITATION OF LIABILITY AND USER'S RESPONSIBILITY

The primary purpose of this manual is to provide irrigation professionals and consultants with a methodology to properly design an agricultural irrigation system. This manual is also used as the reference material for the Irrigation Industry Association's agriculture sprinkler irrigation certification program.

While every effort has been made to ensure the accuracy and completeness of these materials, additional materials may be required to complete more advanced design for some systems. Advice of appropriate professionals and experts may assist in completing designs that are not adequately covered in this manual.

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TABLE OF CONTENTS

Chapter 1	How to Use this Manual	1
1.1	Contents of this Manual	1
1.2	Conventions Used in this Manual.....	4
1.3	Site Information.....	6
1.4	Design Procedure	7
Chapter 2	Legislation and Governance	11
2.1	Water Withdrawal	11
2.2	Intake Installation and Maintenance.....	13
2.3	Chemigation and Reclaimed Water Use.....	15
2.4	Backflow Prevention Requirements	17
Chapter 3	Irrigation System Selection	21
3.1	Sprinkler Systems.....	22
3.2	Gun Systems.....	23
3.3	Centre Pivot System.....	26
Chapter 4	Crop, Soil and Climate	33
4.1	Maximum Soil Water Deficit.....	33
4.2	Maximum Irrigation System Application Rate	39
4.3	Maximum Irrigation Interval.....	40
4.4	Peak Evapotranspiration Rate	40
4.5	Peak Irrigation System Flow Rate.....	43
4.6	Annual Irrigation System Demand.....	48
4.7	Loss of Stationarity	52
Chapter 5	Sprinkler System Design	53
5.1	Sprinkler Nozzle, Pressure and Spacing Selection.....	53
5.2	Flow Control Valve Usage for Irrigation Systems	82
Chapter 6	Gun System Design	85
6.1	Maximum Soil Water Deficit.....	85
6.2	Maximum Irrigation System Application Rate	86
6.3	Spacing Selection	87
6.4	Application Rates	87
6.5	Stationary Gun.....	88
6.6	Travelling Gun	93
6.7	System Design Consideration near Electrical Transmission Lines.....	102

Chapter 7	Centre Pivot System Design	111
7.1	Application Rate	111
7.2	System Design	113
Chapter 8	Crop, Soil and Climate	123
8.1	Pipe Selection	123
8.2	Pipe Rating Systems	124
8.3	Calculating Pipe Size	125
8.4	Calculating Pipe Pressure Requirement	136
8.5	Pipeline Design Considerations	144
Chapter 9	Motors, Engines and Power	151
9.1	Pump Selection	151
9.2	Motor Selection	166
Chapter 10	Diversions and Intakes	175
10.1	Diversions	175
10.2	Intakes	178
10.3	Screens	183
Chapter 11	Irrigation Water Quality	187
11.1	Water Quality Concerns	187
11.2	Water Quality Guidelines	190
Appendices		
Appendix A	Properties of Irrigation Pipe	A-1
Appendix B	Friction Loss	B-1
Appendix C	Sprinkler Irrigation Design Plans	C-1
Appendix D	Publication and Websites	D-1
Appendix E	Unit Conversions	E-1
Appendix F	Glossary	F-1

List of Figures

Figure 1.1	Sprinkler Irrigation System Design Flow Chart	8
Figure 3.1	Handmove System	22
Figure 3.2	Wheelmove System	22
Figure 3.3	Powered Mover	22
Figure 3.4	Overtree Solid Set System	23
Figure 3.5	Undertree Solid Set System	23
Figure 3.6	Micro-Sprinkler System	23
Figure 3.7	Stationary Gun System	24
Figure 3.8	Travelling Gun System	25
Figure 3.9	Hard Hose Reel Machine Layout	26
Figure 3.10	Pivot End Gun	26
Figure 3.11	Centre Pivot Components	27
Figure 3.12	Application Pattern of Pivot Sprinklers	29
Figure 3.13	Pivot with Spray Nozzles	29
Figure 3.14	Rotator Sprinkler	29
Figure 3.15	Application Pattern of Rotator Sprinklers	30
Figure 3.16	Centre Pivot System Operation	31
Figure 4.1	Soil Texture Triangle	35
Figure 5.1	Sprinkler Layouts	54
Figure 5.2	Wheelmove System	59
Figure 5.3	Solid Set Undertree Sprinkler System	63
Figure 5.4	Microsprinkler System	68
Figure 6.1	Travelling Gun System	85
Figure 6.2	Poor Overlap in Stationary Gun Operation	90
Figure 6.3	Hard Hose Reel Machine Layout	94
Figure 6.4	Travelling Gun	101
Figure 6.5	Schematic Indicating Gun Spray Trajectory	104
Figure 7.1	Centre Pivot Application and Soil Intake Rate Patterns	112
Figure 7.2	Determination of Maximum Application Rates for Centre Pivots	113
Figure 7.3	Centre Pivot System	122
Figure 8.1	Thrust Block Positioning for Above Ground Irrigation Pipelines	149
Figure 8.2	Thrust Block Positioning for Underground Irrigation Pipelines	150
Figure 9.1	Centrifugal Pump Curve – Berkeley	159
Figure 9.2	Centrifugal Pump Curve – Cornell	160
Figure 9.3	Suction Pipe and Discharge Pipe Installation	161
Figure 9.4	Turbine Installation	165
Figure 10.1	Stop Log Diversion Structure	176
Figure 10.2	River Diversions Using a Settling Basin	177
Figure 10.3	Slopping Trash Rack	180
Figure 10.4	Standard Centrifugal Pump Intake	181
Figure 10.5	Centrifugal Pump Intakes for Deep Water Installations	181
Figure 10.6	Rotating Self-Cleaning Intake	182
Figure 10.7	Non-Rotating Self-Cleaning Intake	182
Figure 10.8	Self-Cleaning Screen for Gravity Intake	185

List of Tables

Table 2.1	Minimum Backflow Prevention Requirements for Irrigation Systems.....	19
Table 3.1	Typical Application Efficiencies of Sprinkler Irrigation Systems.....	21
Table 4.1	Effective Rooting Depth of Mature Crops.....	35
Table 4.2	Available Water Storage Capacity (AWSC).....	36
Table 4.3	Crop Availability Coefficients.....	36
Table 4.4	Maximum Soil Infiltration Rate.....	39
Table 4.5	Peak Evapotranspiration Rates for Various B.C. Locations.....	41
Table 4.6	Estimated Peak Irrigation System Flow Rate Requirements (using 10% risk factor).....	44
Table 4.7	Estimated Peak Irrigation Flow Rate Requirements for B.C. Locations.....	45
Table 4.8	Water Allotments of Water Purveyors in British Columbia.....	47
Table 4.9	Estimated Annual Crop Water Requirements for Various B.C. Locations.....	50
Table 5.1	Sprinkler Spacing Recommendations.....	54
Table 5.2	Wheelmove/Handmove Sprinkler Nozzle Specifications – 30’ x 30’ Spacing.....	72
Table 5.3	Wheelmove/Handmove Sprinkler Nozzle Specifications – 30’ x 40’ Spacing.....	73
Table 5.4	Wheelmove/Handmove Sprinkler Nozzle Specifications – 30’ x 60’ Spacing.....	74
Table 5.5	Wheelmove/Handmove Sprinkler Nozzle Specifications – 40’ x 40’ Spacing.....	75
Table 5.6	Wheelmove/Handmove Sprinkler Nozzle Specifications – 40’ x 50’ Spacing.....	76
Table 5.7	Wheelmove/Handmove Sprinkler Nozzle Specifications – 40’ x 60’ Spacing.....	77
Table 5.8	Wheelmove/Handmove Sprinkler Nozzle Specifications – 60’ x 60’ Spacing.....	78
Table 5.9	Solid Set Sprinkler Nozzles (I).....	79
Table 5.10	Solid Set Sprinkler Nozzles (II).....	80
Table 5.11	Micro-Sprinkler Nozzles.....	82
Table 5.12	Nozzle Sizes and Recommended Pressures for Flow Control Valves.....	83
Table 6.1	Recommended Minimum Operating Pressures for Gun Systems.....	86
Table 6.2	Gun Spacing Recommendations.....	87
Table 6.3	Depth of Water Applied by Travelling Gun.....	96
Table 6.4	Instantaneous Application Rates for Part Circle Guns.....	98
Table 6.5	Irrigation Water Jet to Power Line Clearance Standards.....	103
Table 6.6	C Values.....	104
Table 6.7	K Values.....	104
Table 6.8	Stream Trajectory Data for Giant Guns with Taper Bore Nozzles.....	106
Table 6.9	Gun Nozzle Performance – Series 75 Guns 24° Trajectory.....	107
Table 6.10	Gun Nozzle Performance – Series 100 Guns 24° Trajectory.....	108
Table 6.11	Gun Nozzle Performance – Series 150 Guns 24° Trajectory.....	109
Table 6.12	Gun Nozzle Performance – Series 200 Guns 27° Trajectory.....	110
Table 7.1	Pivot Application Efficiency.....	114
Table 7.2	Maximum Application Rate Adjustments for Short Durations.....	115
Table 7.3	Amount Applied per Day by Centre Pivot Systems (inches) (Rotation Time (N) = 24 hr).....	117
Table 8.1	C Factor.....	128
Table 8.2	Lateral Friction Loss Correction Factor, F.....	135
Table 8.3	Maximum Pressure Rise for an Instantaneous Valve Closure at a Flow Velocity of 5 ft/sec... 139	139
Table 8.4	Maximum Recommended Operating Pressure and Flow Velocity for PVC Pipe.....	140
Table 8.5	Minimum Valve Closure Time for PVC Pipelines at Maximum Operating Pressures.....	141
Table 8.6	Air-Vacuum Release Valve Sizing.....	144
Table 8.7	Recommended Pipe Installation Depths – Excluding Frost Requirement.....	145
Table 8.8	Pipeline Thrust Factors.....	146
Table 8.9	Bearing Strength of Soils.....	147
Table 8.10	Pipeline Thrust Factors.....	148
Table 8.11	Anchoring of In-Line Valves.....	148

List of Tables Continued

Table 9.1	Total Dynamic Suction Lift Correction for Altitude and Water Temperatures [ft]	155
Table 9.2	Intake Screen Area	163
Table 9.3	Recommended Well Diameters	165
Table 9.4	Water Horsepower per Unit of Fuel and Fuel Cost Comparison	169
Table 9.5	Summary of Phase Converter Systems for Irrigation	173
Table 10.1	Minimum Submergence Requirement	178
Table 10.2	Screen Area Required for Fishery Regulations.....	183
Table 10.3	Opening Area of Standard Market Grade Wire Mesh	183
Table 11.1	Guidelines on SAR and EC for Irrigation Water Use for Crops and Soils	192
Table 11.2	Pathogen Water Quality Standards	193
Table 11.3	Summary Guidelines for Irrigation Water Quality	195
Table 11.4	Chloride Tolerance of Fruit and Woody Crops by Root Uptake	196
Table 11.5	Sodium or Chloride Concentrations in Irrigation Water Causing Foliar Damage.....	196
Table 11.6	Tolerance of Crops to Sodium	196
Table 11.7	Tolerance of Selected Crops to Total Dissolved Solids in Irrigation Water, as Determined by Research in California, U.S.A.	197
Table 11.8	Relative Tolerance of Agricultural Crops to Boron	198
Table 11.9	Tolerance of Crops to Herbicides in Irrigation Water	198

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