Ministry of Agriculture

Agriculture and Water

Andrew Petersen, P.Ag., CID. Water Management Specialist







Agriculture and Water

Livestock

Han Alexander

Crops

Processing













Irrigation Duty

Irrigation duty is determined by:

➢Climate

➤Length of season

≻Rainfall

➢ Moisture deficit



WATER ACT

CONDITIONAL WATER LICENCE

The owners of the land to which this licence is appurtenant are hereby authorized to divert and use water as follows:

(a) The source on which the rights are granted is the Thompson River.

(b) The point of diversion is located as shown on the attached plan.

(c) The date from which this licence shall have precedence is February 20, 1978.

- (d) The purposes for which this licence is issued are domestic and irrigation.
- (e) The maximum quantity of water which may be diverted is 500 gallons per day for domestic purpose and 5.7 acre feet per annum for irrigation purpose.
- (f) The period of the year during which the water may be used is the whole year for domestic purpose and April 1st to September 30th for irrigation purpose.
- (g) The land upon which the water is to be used and to which this licence is appurtenant is Lot B Section 33 Township 20 Range 24 West of the 6th Meridian Kamloops Division Yale District Plan KAP66395, of which 1.9 acres may be irrigated.
- (h) The authorized works are a diversion structure, pump, pipe, and sprinkler system which shall be located approximately as shown on the attached plan.
- (i) The construction of the said works has been completed and the water is being used. The licensee shall continue to make regular beneficial use of the water in the manner authorized herein.
- (j) This licence is issued pursuant to the provisions of the Water Act to ensure compliance with that statute, which makes it an offence to divert or use water from a stream in British Columbia without proper authorization. It is the responsibility of the licensee to ensure that all activities conducted under this authorization are carried out with regard to the rights of third parties, and comply with other applicable legislation that may be in force.
- (k) This licence authorizes the use of water for domestic purpose in one dwelling located approximately as shown on the attached plan.
- (1) This licence is issued in substitution of Conditional Water Licence 114341, in part.

Irrigation

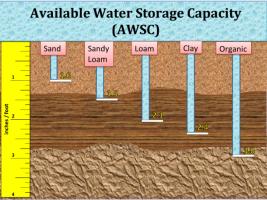
Replenish soil moisture

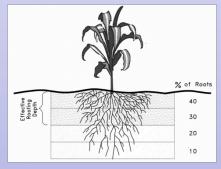
A. M. A. Maranakin

Soil type

Crop rooting depth







Evapotranspiration

Relative Humidity

Transpiration

Evaporation

Wind

Temperature

Solar Radiation

Effective Roots

Irrigation Systems

- Application Efficiency 50% 72%
 Flood Sprinkler
- 90 % Drip







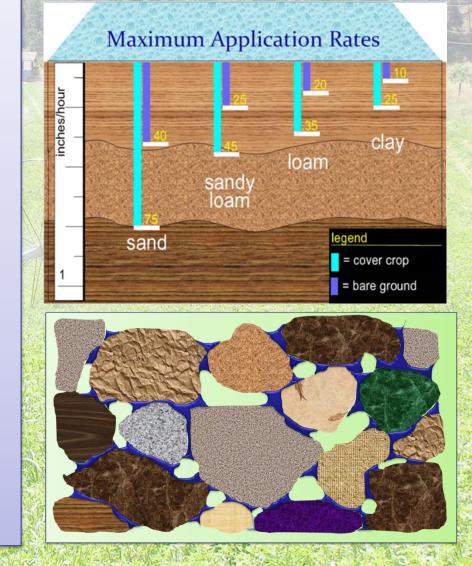
Leak prevention



Efficient Irrigation

Application Rate
 < Infiltration Rate

- Depth applied
 < Storage Capacity
- Annual applied
 < Licenced Duty



Questions

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