

H22 Appendix: Irrigation Management Plan Requirements

An Irrigation Management Plan shall include:

1. A description of soil types and their water holding capacities across the property to be irrigated.
2. A soil map that accurately identifies soils and their water holding capacities across the property.
3. Identification of rotation and application rates based on the soil types identified.
4. Demonstrate that the application rate meets the requirements of the Guidelines for [Irrigation Water Requirements in the Poverty Bay Flats 2012](#).
5. Identification of the most effective and efficient strategies and methods for:
 - a. Water distribution by means of impervious reticulation;
 - b. Irrigation efficiency applicable to the land and specific crops concerned; and
 - c. Demonstrate historical use has been efficient as determined by past water meter readings.
6. How rainfall and evapotranspiration data will be collected for the property and how this data will be used in relation to rotation and application rates.
7. Soil moisture monitoring procedures.
8. Identification of what irrigation equipment will be used and its suitability for each irrigated crop type.
9. Identification of what programme will be implemented for leak detection, repairs and maintenance of irrigation equipment.

Note that an irrigation efficiency of **80%** is required for all new water permits and renewals of existing permits.

Please contact Water Conservation on 06 8672049 for assistance with Irrigation Management Plans.