

Herbicide Application Specification

Background

Banff National Park is seeking a contractor with a Province of Alberta herbicide applicators license to control selected species of weeds along the Trans-Canada Highway (TCH) between the East Park Gate and Castle Junction.

An environmental assessment of the problem and solutions has been prepared (Control of Invasive Non-Native Plants in Banff Field Unit through an Integrated Program of Mechanical, Chemical and Cultural Control Methods (DeLong 2006). As well, an inventory of the non-native plants (excluding the very common species) is available.

Scope of Work

Contractor will be responsible for weed spot spraying and weed blanket spraying of meadow hawkweed and orange hawkweed where necessary along the Trans-Canada Highway (TCH) between the Banff East Gate and Banff Avenue / Minnewanka Interchange. Spraying is required along the Legacy Trail and in conjunction with wildlife fencing construction within these limits.

- Spraying width of 3 metres centred on the new fence line as indicated in the Herbicide Application Reference Map and as directed by the Departmental Representative.
- Spraying width of 5 metres on both sides of the Legacy Trail as indicated in the Herbicide Application Reference Map and as directed by the Departmental Representative.
- Spraying will not be permitted within 30 metres of wetlands and watercourses.
- Spraying must be complete by September 15, 2016 and done prior to trenching for fence construction.

Contractor will spot spray targeted weeds found in low density weed areas, and continuous spray coverage in areas of high density. Contractor will provide and use Milestone (Amino pyralid) herbicide according to quantities and application rates specified per hectare for invasive vegetation species as shown on the attached Herbicide Application drawings. Contractor is advised to refer to the Contract Drawings for all other work related to this Contract.

Responsibilities of the Contractor

The contractor is responsible for following industry best practices or the Banff Field Unit guidelines (whichever is more stringent) with regard to:

- Documentation of Pesticide Service Registration Numbers, Licenses, Workers Compensation Coverage, Commercial Vehicle and Liability Insurance;
- Supply and store herbicides until required;
- Mix and apply herbicides as per the Alberta Crop Protection Manual or Banff Non-native Plant Control Environmental Assessment (if it differs from the crop protection manual);
- Rinse and dispose of empty herbicide containers properly;
- Post appropriate signs for the required period of time;
- Cease spraying during or after heavy rain or before imminent rain;
- Cease spraying at wind speeds above 16 km/hour or temperatures above 27 degrees C.;
- No broadcast spraying or herbicide mixing will occur within 10 meters of any waterbody. Spot spraying can occur within a meter of water's edge, provided no herbicide enters water.
- Provide and ensure employees wear protective clothing;
- Ensure a person certified for applying the herbicides listed in Section D on site while herbicides are being applied in Banff field unit;
- Maintain a log of areas sprayed, application rates and provide a copy of this to the Parks Canada representative every 48 hours;
- Maintaining a record of expenses (commuting time and mileage, equipment and wages rates for application time, herbicide costs, to ensure the contractor stays within the budget.
- Spill containment equipment on the spray trucks;
- First aid and eye-wash equipment;
- Obtaining a Parks Canada Business License
- Arranging to pick up and carry at all times a Restricted Activity Permit (RAP) from the Banff Warden Office

Responsibilities of the Departmental Representative

The Departmental Representative is responsible for:

- Providing the contractor with an orientation of the work required at least every 48 hours and more often if required;
- Provide the contractor with a copy of the environmental assessment that forms the basis for carrying out weed control in Banff Field Unit;
- Investigating any complaints or inquiries by the public and returning their calls or e-mails;
- Informing the contractor of contact information and procedures for spills or injuries on the job site;
- Monitoring the effectiveness of the herbicide on targeted species.