

KiDrone Aerial Seeding Pilot Notes – Spring 2024

Calibrations required for projects:

Cranbrook CBK0036 (390 grams per 10,000 seeds)

Cranbrook CBK0035-PU1 (380 grams per 10,000 seeds)

Cranbrook CBK0035-PU2 (330 grams per 10,000 seeds)

Fort St John Blocks 21106 and 08081 (320 grams 10,000 seeds)

Cranbrook Blocks

(All blocks flown with Single Pass Application (minimal overlap).)

CBK0036 - 8.4 Hectares applied.

CBK0035-PU1 – 10.6 Hectares applied.

CBK0035-PU2 - 9.5 Hectares applied.

Needed to land twice between block applications, to set and check application rates, since each block's seed weight was different.

Weather for all blocks:

- light, variable wind, predominantly out of the South
- low level clouds passing through block areas
- minus 2 degrees Celsius
- snow covering all blocks
- heavy snow falling during application of block CBK36

Fort St John Blocks

(Both blocks flown with Single Pass Application (minimal overlap).)

Flown out of Pink Mountain (blade on/off location).

Block 08081 - 20 hectares applied.

Block with multiple winding, narrow fingers, application took longer than usual, (no A-B swathing).

Block 21106 - 5 Hectares applied.

Weather

Block 08081

- clear skies, 10km/h wind out of the Southwest
- minus 18 degrees Celsius
- snow covering block

Block 21106

- clear skies, calm wind with occasional gusts (3-5 km/h) out of Southwest
- Minus 20 degrees Celsius
- Snow covering block