ENGAGE AGRO

New Solutions for Forestry and IVM

Michael Cunningham



New for vegetation management





Developed by ISK in the 1980's

Registered in Asia, Europe, USA

Registered in Canada May 2018



Received classification in Ontario in September

Low use rates, ideal for sensitive markets

ENGAGE
AGRO

Flazasulfuron

- Systemic, residual herbicide
- Granular formulation, 25% A.I.
- Inhibits the enzyme acetolactate synthase (ALS)
- Once applied, target plants cease growth
- Visible symptoms, leaf discoloration and necrosis occur in the following weeks
- Controls both pre-emergent and post-emergent weeds and grasses



Flazasulfuron

- Low toxicity
 - Acute...5000mg/kg
- Granular formulation makes for easy clean up
- Minimal PPE requirements







- Application rates are 150 to 200 grams/ha
- Water volumes:
 - Volume range 150L to 450L/ha
 - Ground sprays recommend 200L/ha
- REI'S
 - Katana 12 hours
 - Longrun sprays have dried
 - Always follow most restrictive REI in tank mix





- Forestry uses: site-preparation, conifer release
 & Christmas trees
- First new active ingredient registered in forestry in many years
- Residual activity
- Spray in the fall, plant in the spring
- Initially ground applications only, aerial to come





Forestry Trials



One year after treatment

Three years after treatment





4 yrs AFT



VisionMAX

Katana + VisionMAX



Katana Tree growth*

Buds | 2018

Volume

168.9 412.7 28 1902.5

Volume

VisionMAX 177.3 619.3 43

Height (cm) (cm3)

Tree

VisionMAX 178.2 787.0 48

2049.9

1382.2

+ Katana

*3 yrs AFT

Untreated







2018 Leader Growth





nber of the Belchim Group ᡐ





Christmas Trees North Hatley, QC 9 weeks AFT







Early results

Canfor aerial test site, south of Grande Prairie,



Sept, 26th, 2018 4 weeks after treatments



Early results



Crop trees look great





- Low use rates for bareground applications
- Excellent on grasses, sedges, ferns and weeds
- Can be tank mixed with many other products
- Excellent environmental profile
- Lower PPE requirements than many other products



Hydro Quebec Bareground – Varennes, QC





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LongRun 200g/ha + glyphosate @ 8L/ha

Indaziflam 375ml/ha + glyphosate @ 8L/ha

Twelve weeks after treatment





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St. John, NB



LongRun 200g/ha + glyphosate @ 8L/ha

Indaziflam 375ml/ha + glyphosate @ 8L/ha

Twelve months after treatment



LONGRU

Colson Cove N.B.



The standard mix?



Glyphosate + 4 other products?



To sum up....



When it's time for a change



Effective, innovative, compatible



THANK YOU

