Herbicide Applications in Lincoln County, Oregon with an Aerial Spray Ban

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- Economics
- Efficacy
- Application

Lawn Mower Analogy

HELICOPTER

BACKPACK

Economics

- Cost Increase Over Helicopter
  - Average increase over past 3 years = **60%**
  - Most expensive units are double
    - Terrain
    - Distance to roads
    - Cleanliness of units
  - Turnaround Time
    - Helicopter 5-7 minutes
    - Backpack upwards of 40 minutes
  - Blown out, fogged in, or rained out

Efficacy – Aerial Release

Efficacy – Backpack Release

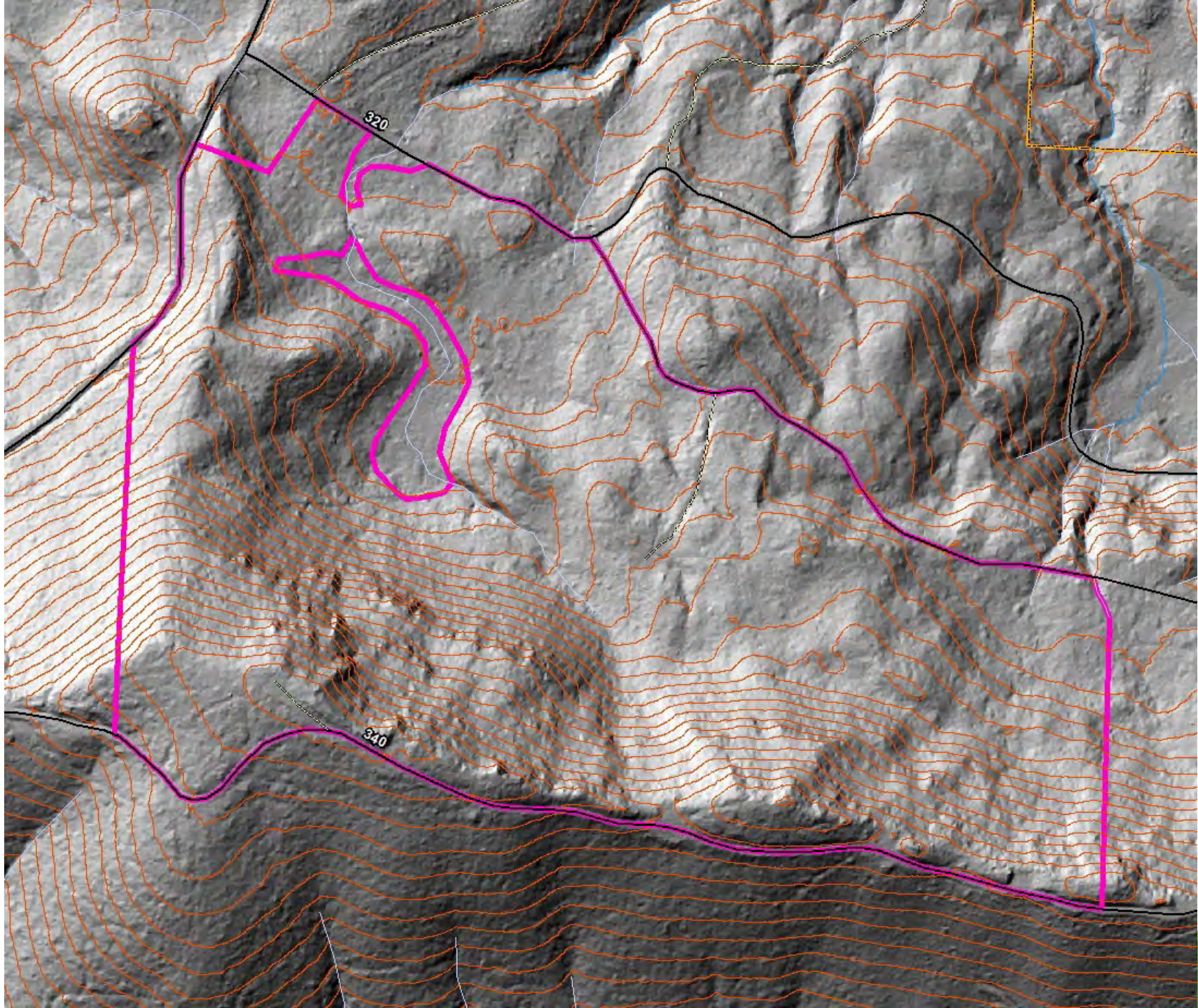
Efficacy – ALWAYS DO SOMETHING!!!

Efficacy – Buffers

Application

- Timing – Availability of Crews
  - Planting
  - Fire
- Production
  - Production – 5 x longer (80 acres on a good day / 1 guy = 8 acres)
  - Rates – 6.5 gallons/acre with orifice discs
- Chemicals
  - Site Prep
    - Glyphosate, Imazapyr, Sulfometuron-methyl + Metsulfuron-methyl, MSO, and Crosshair
  - Release (sometimes)
    - Clopyralid and Crosshair
    - Hexazinone or Sulfometuron-methyl

Application – Site Prep $$$Unit$$$




solo
solo
CROSSHAIR

Takeaways - Cons

- More Expensive
- Availability of Crews
- Injuries
- Less Effective
- Possibly larger suite of chemicals

Takeaways - Pros

- Tighter Buffers = more planting ground
- Spray in Higher Winds
  - Other options - Hack and Squirt
- Crew Availability for Fire

Takeaways –

THANK YOU

Questions?