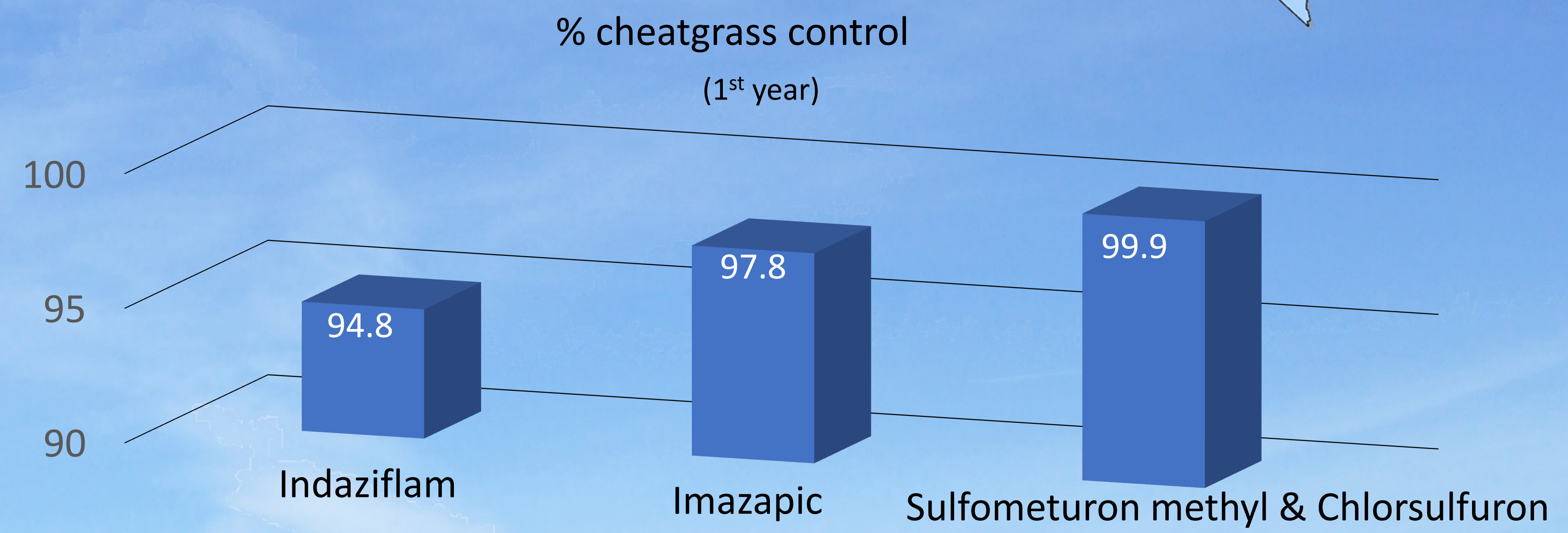


# Initial Efficacy of *Indaziflam* on Cheatgrass Rangelands

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The accidental and subsequent invasion of cheatgrass (*Bromus tectorum*) throughout millions of hectares of Intermountain West rangelands has resulted in astronomical changes to plant communities as the presence of cheatgrass has increased the chance, rate, spread and season of wildfires.



When attempting cheatgrass control efforts in order to reduce competition, it is critically important to understand that the level of control must reach nearly 100% due to the prolific ability of cheatgrass to produce seed and build persistent seed banks.

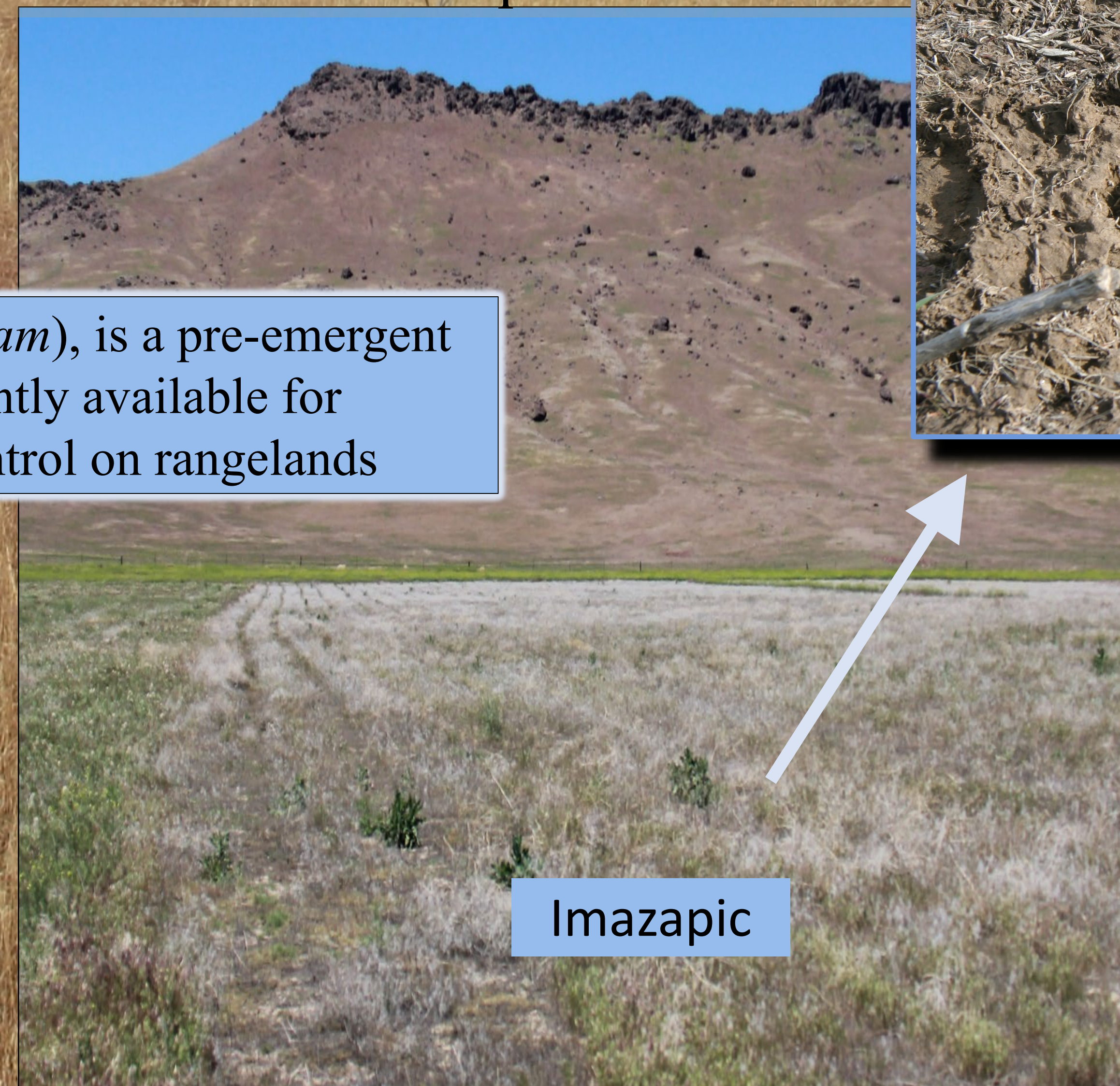
Resource managers need the tools to conduct aggressive and effective weed control on cheatgrass-infested rangelands to improve restoration/rehabilitation efforts.

This Research is in the early stages and has only observed first year control. Indaziflam has been reported to have increased efficacy in year 2 and even 3. We will continue to monitor the reduction in cheatgrass in subsequent years.

While the establishment of seeded perennial grasses may be limited by the extended activity period (2-3 years) of Indaziflam, this can benefit many other applications, such as fire breaks or fuel reductions in critical native plant habitats.



Esplanade (*Indaziflam*), is a pre-emergent herbicide recently available for annual grass control on rangelands



Sulfometuron methyl /Chlorsulfuron (Landmark XP currently not available on market)