

Seed Bank Depletion: The Key to Long-Term Invasive Winter Annual Grass Control

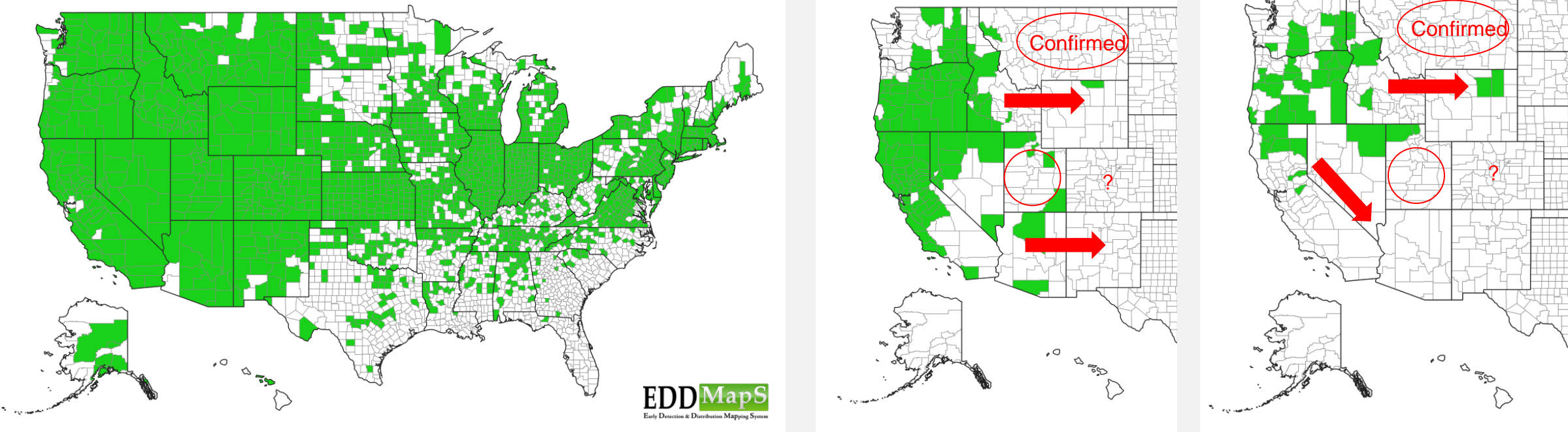


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The Challenge

Cheatgrass (infests >54 million acres)

"New" Invaders Spreading East:
Medusahead **Ventenata**



Invasive winter annual grasses such as cheatgrass (*Bromus tectorum*), medusahead (*Taeniatherum caput-medusae*), and ventenata (*Ventenata dubia*) are spreading at an alarming rate and pose a major threat to western rangeland, open spaces, parks, and natural areas. A new management tool providing long-term control is needed.

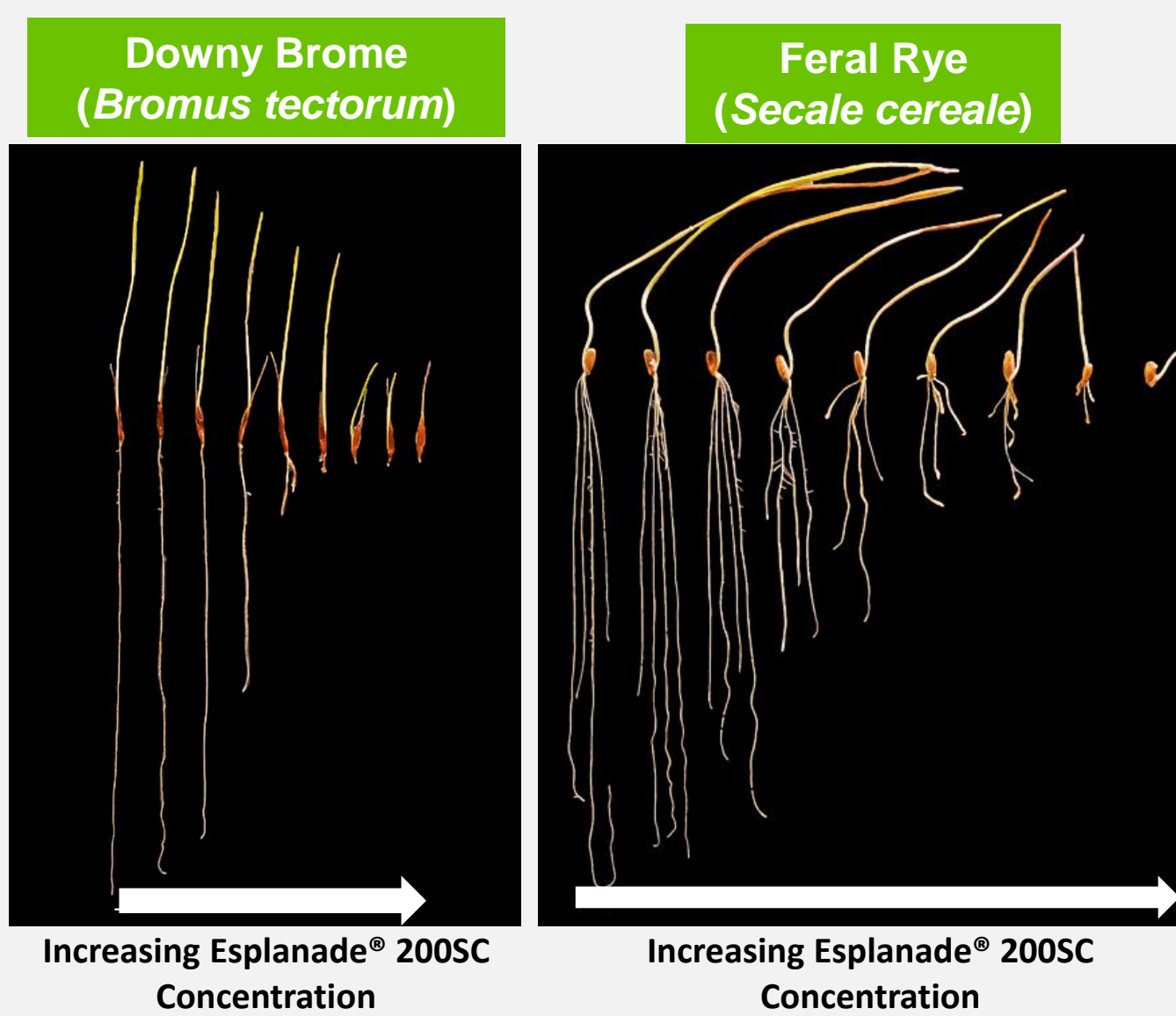


Invasive annual grasses outcompete native vegetation with devastating consequences: more frequent and intense wildfires, degraded pollinator and wildlife habitat, and loss of native ecosystems



A New Tool for Ecosystem Restoration

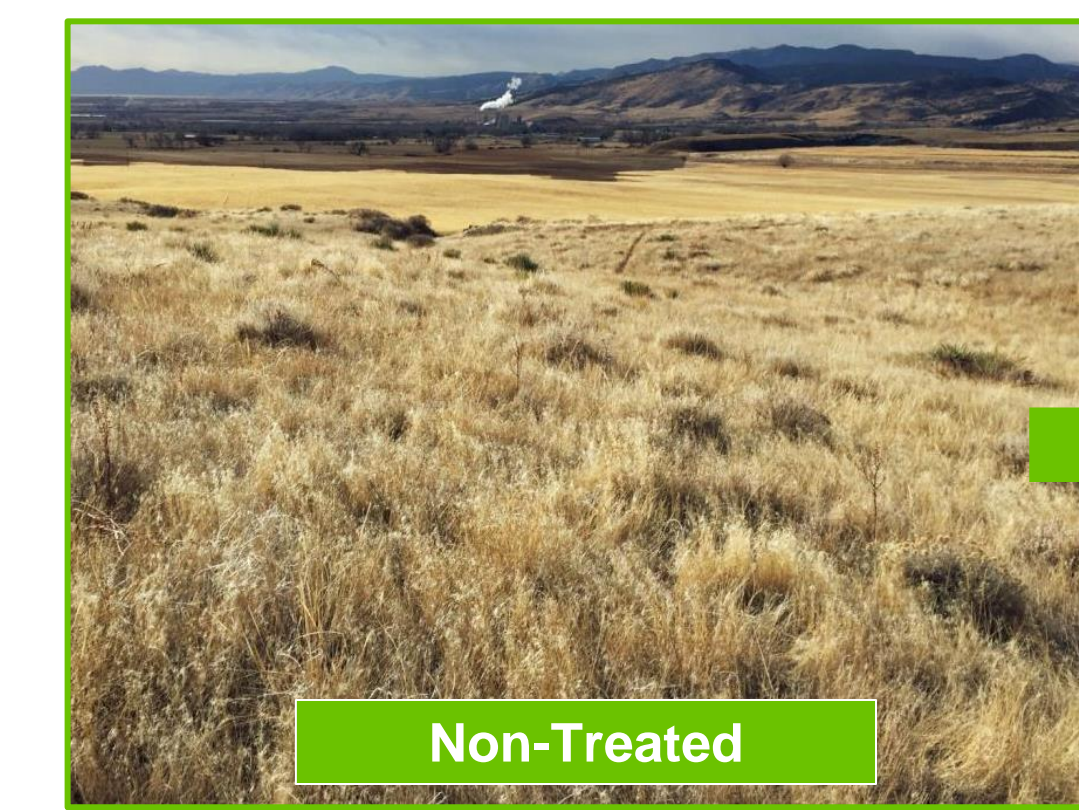
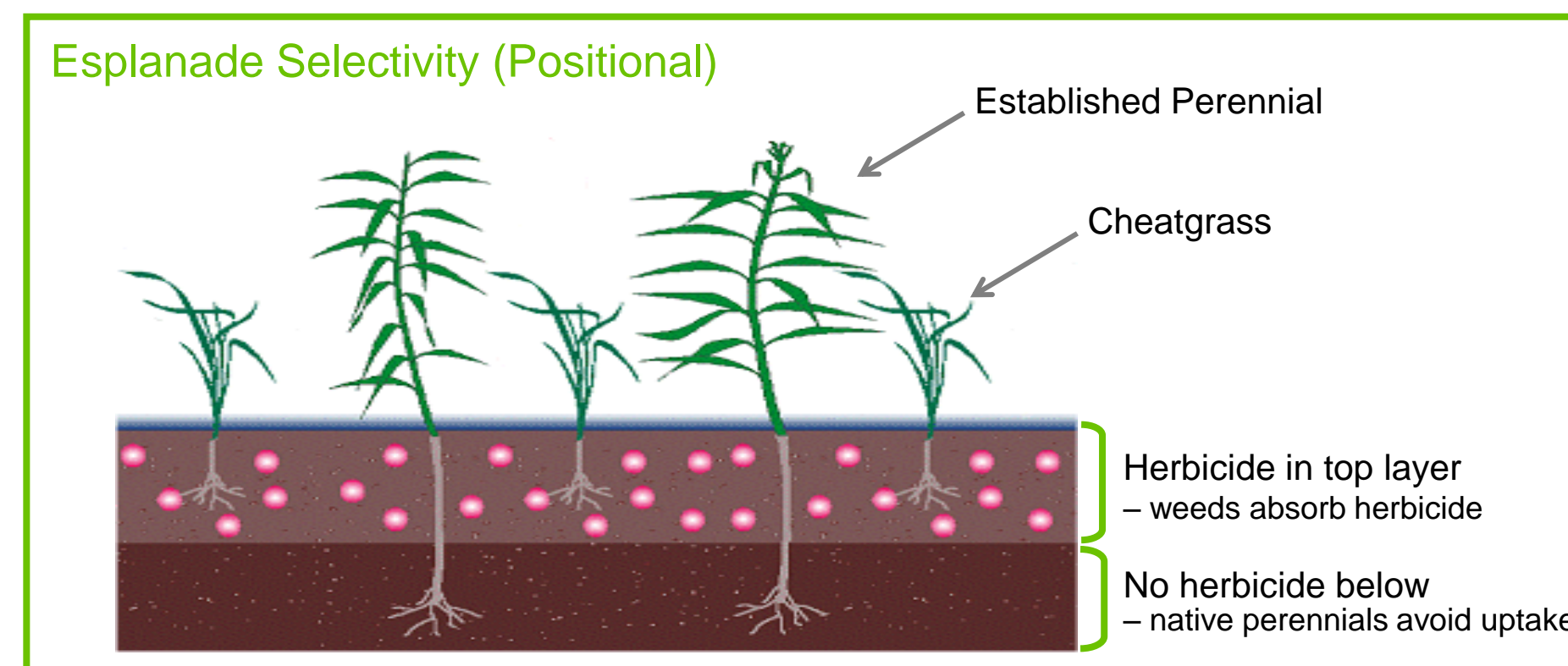
- Cellulose Biosynthesis Inhibitor (Group 29)
- Providing pre-emergence control through root inhibition of emerging seedlings



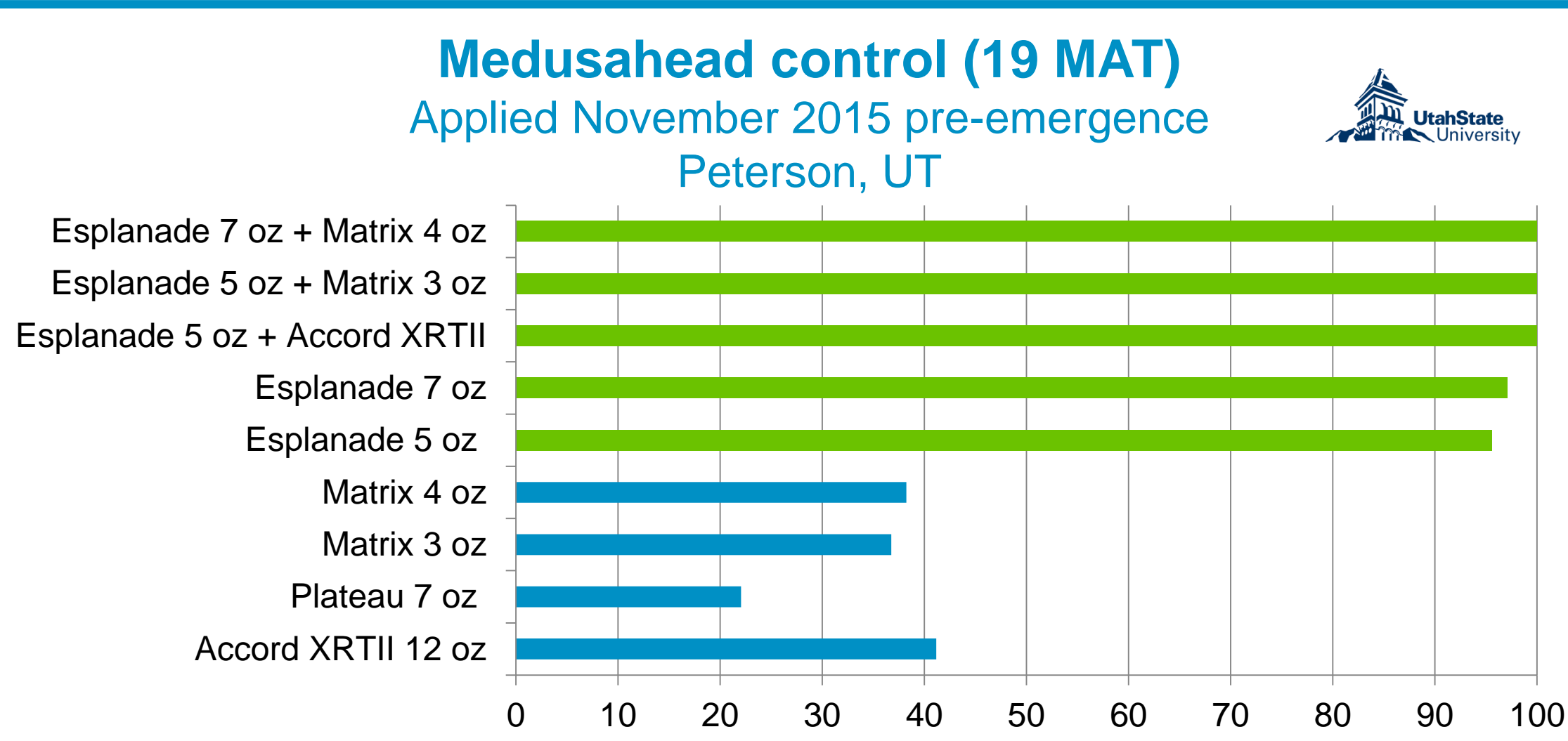
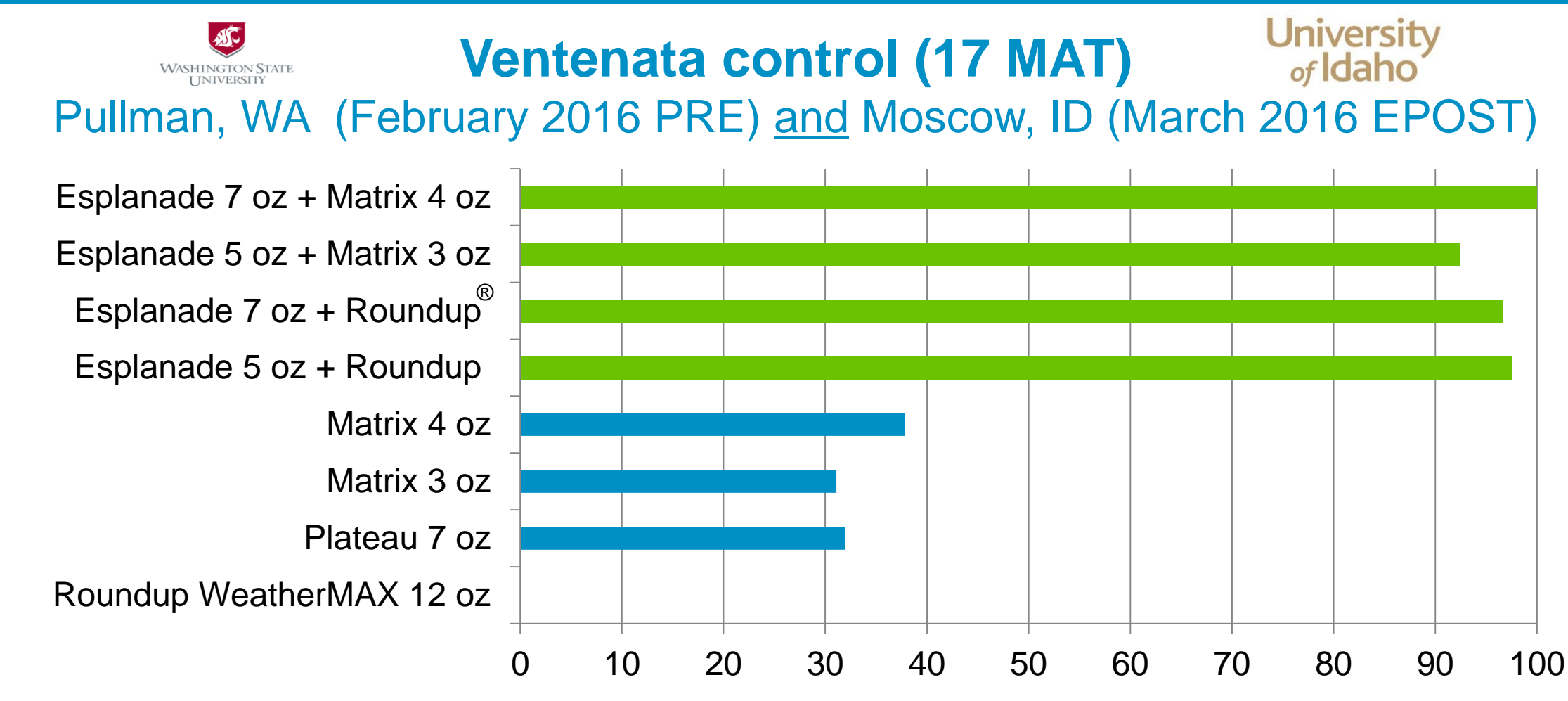
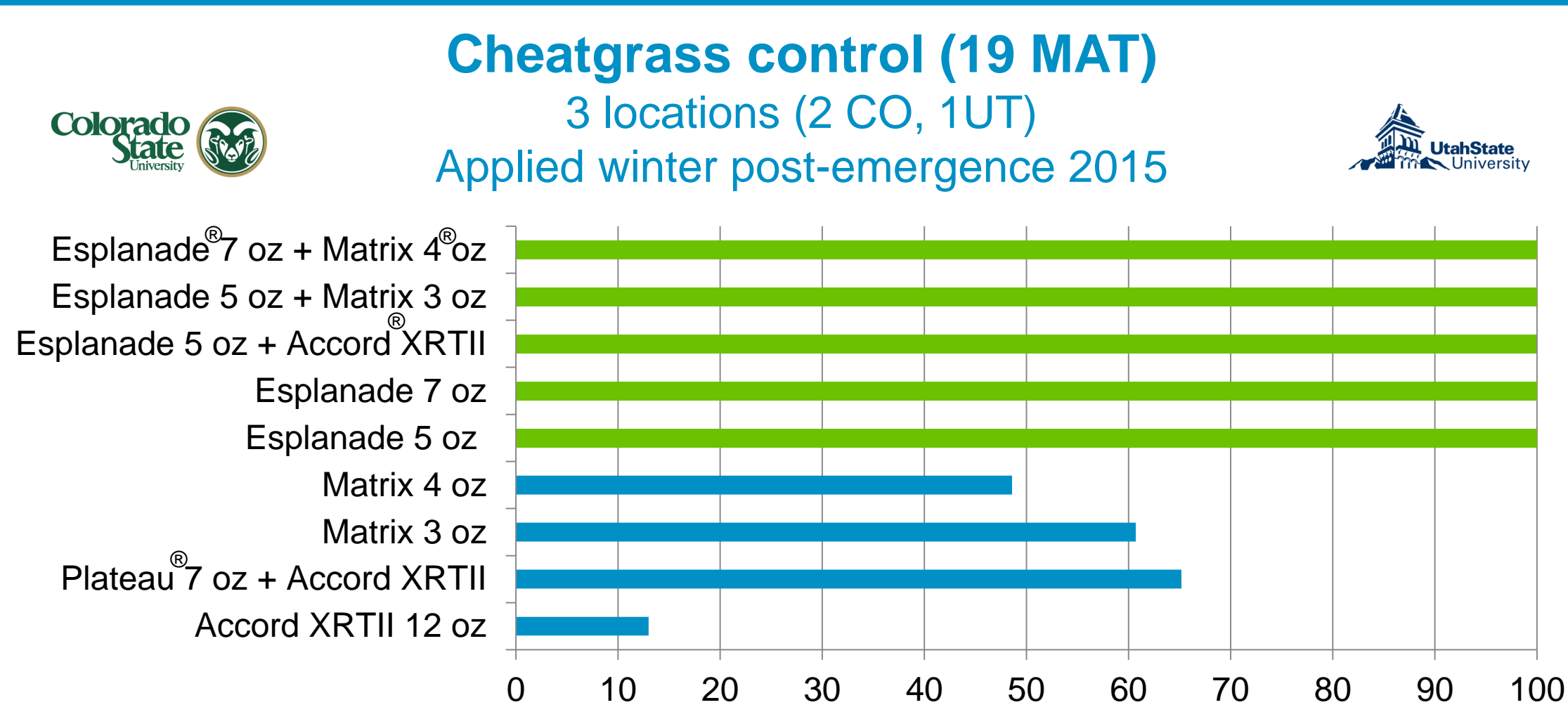
Esplanade[®] 200 SC

Esplanade[®] 200SC Widespread Development in the West

- Since Fall 2015, pilot project in Colorado expanded to 12 western states targeting 9 invasive grasses:
 - Cheatgrass, Japanese brome, ventenata, medusahead, feral rye, red brome, barb goatgrass, jointed goatgrass, bulbous bluegrass
- Efficacy is documented in over 100 replicated field trials established with 25 cooperators in 14 states
- Consistent long-term invasive winter annual grass control (2+ years) throughout the west resulting in depletion of the invasive annual grass soil seed banks and restoration of desirable perennial ecosystems

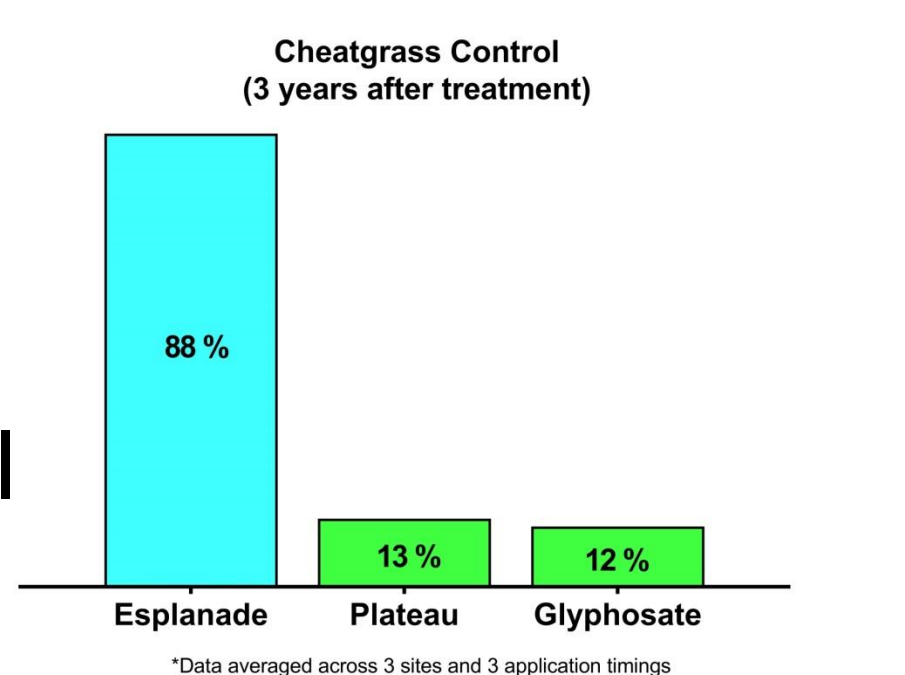


Long-Term Invasive Winter Annual Grass Control Resulting in Ecosystem Restoration



The time to act is now!

Esplanade[®] 200SC provides superior long-term control (3+) years with a single application as compared to 1 year of control with Plateau[®], the current industry standard. Benefits of invasive annual grass control include better recreational experiences and...



Increased Pollinator and Wildlife Habitat



Fine-Fuels Reduction and Ecosystem Restoration



Esplanade[®] 200SC Stewardship and Use Recommendations

- Prioritize invasive annual grass control on sites that still have viable populations of desirable perennials.**
- Directions for using Esplanade for the release or restoration of desirable vegetation are currently available on a supplemental label that is approved in all states (EPA Reg. No. 432-1516). This label allows for use of Esplanade in non-crop areas such as: parks and open space, wildlife management areas, rec areas, fire rehab areas, prairies, and fire breaks.
- Grazing or feeding forage, hay, or straw from treated areas to livestock is not allowed. If you intend to graze livestock on an area do not use Esplanade.

Always read and follow label directions
 Accord XRTII is a registered trademark of DOW
 Matrix is a registered trademark of E.I DuPont
 Roundup, Roundup WeatherMAX, Transorb & design are registered trademarks of Monsanto
 Plateau is a registered trademark of BASF
 Bayer, the Bayer Cross, and Esplanade are registered trademarks of Bayer