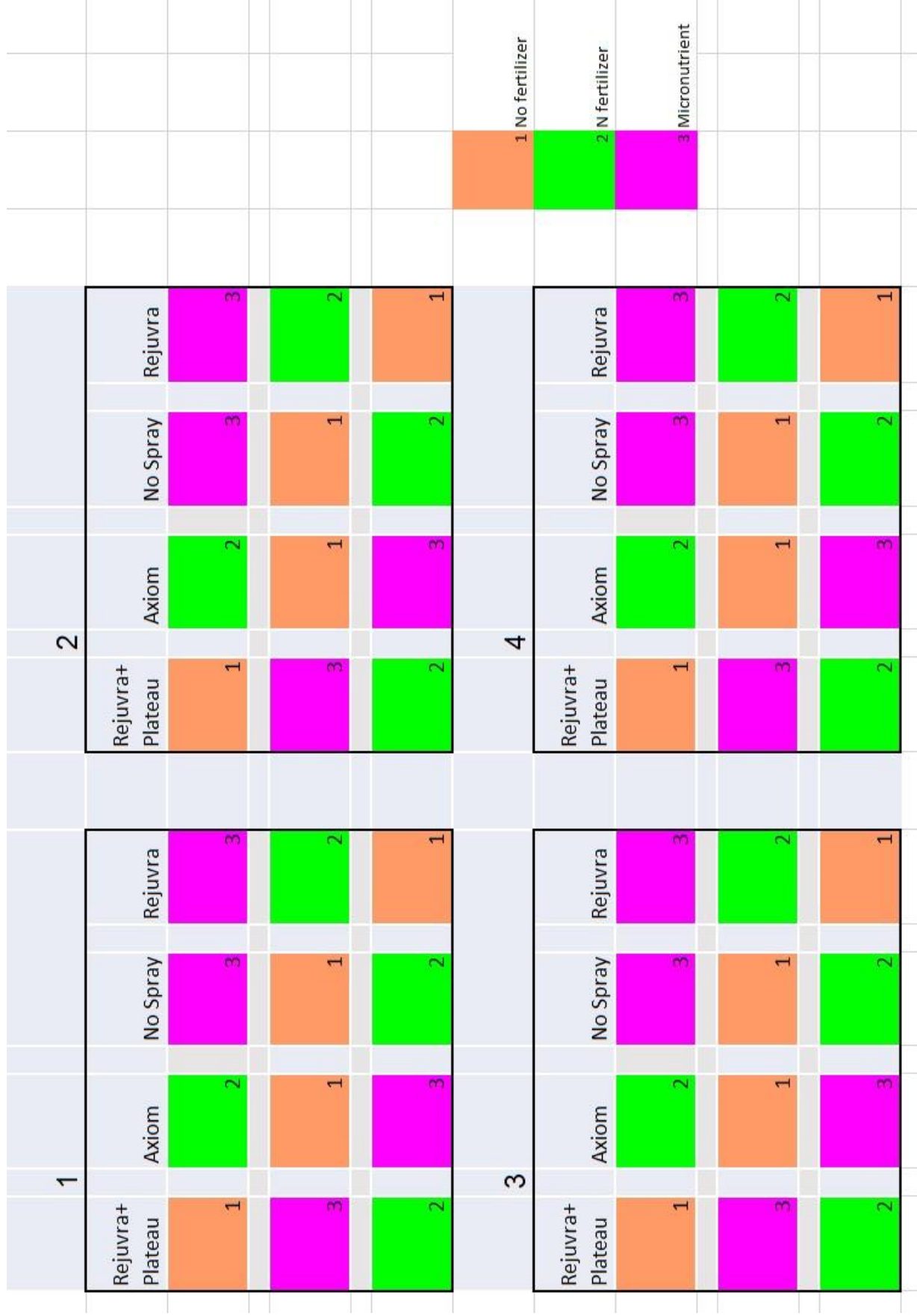


South



Herbicide Treatments

No Spray: N/A

Rejuvra: WSSA group 29 a.i. indaziflam. Controls annual species by inhibiting seedlings as a cellulose biosynthesis inhibitor. Applied at 5 oz/acre.

Rejuvra + Plateau: (Plateau) WSSA group 2 a.i. imazapic. Inhibits branched chain amino acid by inhibiting ALS in susceptible plants. Applied at indaziflam 5 oz/acre and imazapic 6 oz/acre.

Axiom: WSSA group 15 a.i. flufenacet and metribuzin. Controls annual grasses and some small-seeded broadleaf species. Inhibits very long chain fatty acid synthesis. Applied at flufenacet 4 oz/acre and metribuzin 1 oz/acre.

Fertilizer Treatments

No Fertilizer: N/A

N Fertilizer: N-P-K 17:17:17 applied at 40 lbs/acre.

Micronutrient: Nutrafix soil amendment. Micronutrient rich and low-nitrogen soil amendment applied at rate recommended for use on ventenata which is 233 lbs/acre.

Research site locations

This site is one of three located on either side of the continental divide in Montana. All three sites were productive range with concerning infestations of ventenata. Year 1 we applied treatments and recorded the percent cover of ventenata. Year 2 we are recording all species percent cover. We will continue to record all species percent cover in 2024 and collect biomass samples that year. This project is also concerned with the impacts of ventenata on soil nitrogen, so soil samples were taken in 2023 and will be taken in 2024.

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