No-till implement intercedes by inter-seeding

Simple seeders, directly driven from the Dixon Land Imprinter roller, deliver complex mixes of native seeds to the roller top where they are carried forward, dropped on the soil surface, and then imbedded in the imprint surfaces. Some can work on 2:1 slopes and even steeper. Land imprinting specifications have been developed for erosion control, ecological restoration, TMDL reduction, restoring perennial grasses, weed control, forage production, and sustainable agriculture. Imprinting accelerates the secondary succession of plant types past the weed stage through superior control of rainwater at the soil surface via V-shaped imprints, funneling for maximizing seed germination, seedling establishment, and the subsequent growth of plant communities. Dixon Land Imprinter, a no-till implement for seeding – under development in Tucson, Ariz., since 1976 – was developed through infiltration/erosion-control research. Today, more than 50,000 ha (123,553 acres) have been inter-seeded with grasses nationwide.

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