

2021

# North Face Bike Park

Weed Control Method	Priority	Status	Season	Date	% effective	Notes
Hydro Seed non-rideable berms and backsides of features	Low	Attempted	Spring	2015 post construction	10%	We had irrigation problems, so seed did not receive sufficient moisture to take. X2 Tried a manual scarify of soil and seed planting in 2016 also, but only mildly successful.
Soil Analysis	Normal	Completed	Fall	2016	20%	Had soil samples accessed by Colorado State 2016. Soil lacking in Phosphates. No soil additions budgeted.
Mulch	Low	Attempted	Winter	2017	10%	Used Christmas tree mulch 4" thick in low moist spots with out success. Fertilized weeds, held moisture.
Pea Gravel and Weed Barrier	Normal	scheduled	Spring & Fall	2016 & 2017 & 2021	75%	helped in between jump lines and pump track features, needs weeding every year by hand for newly established weeds in the pea gravel. Need to repeat technique 2021.
Burn perimeter	Normal	scheduled	Spring	2016 & 17, Not 2018,19 or 20	25%	Was effective on the perimeter but did not help the berms and backsides of the features in the park. Will attempt in 2021 if staffing and weather allows.
Weed whack scalping with machines	High	scheduled	Spring, Summer	May, June, August 2021	50%	Manual scalping first of large weeds necessary. Labor intensive. Cut down the weeds that propagate via seed and removed all the cuttings. With Parks staff 2 to 3 times a year or 1 employee and 1 temp worker, two days
Manual Pull	High	scheduled	Spring, Summer	May, June, Aug 2021	75%	1 to 2 guys, 40 Hours for 1 week, \$1,000 Temp Budget not used due to covid. Not able to repeat multiple times due to budget
Manual Pull with volunteers	High	scheduled	Spring, Summer	May, June Aug 2021	25%	Not conducted due to covid in 2020. 1 to 3 x per year school groups or RFOV Youth Corps will manually pull one section of the park. 2 to 3 hours only. Ascendigo vocational 6 weeks, two people, one day a week.
Steam Machine burn down	High	experimental	Spring & Summer	April, May, June Aug 2021	?	Potential technique that could be tried this coming year because we own a machine. Lacked manpower in 2020
Avenger Spot Spray Burn Down natural, non-chemical herbicide	High	In Progress	Spring, Summer	June, July, August 2021	50%	# of Gallons of avenger 4 (one case) (6 to 1 ration with water) Need to re-apply every 2-3 weeks. Lacked the trained staff to stay with this schedule.
B List Colorado Noxious Weed List Canadian & Scotch Thistles	High	as needed	mid summer	2021 spring	40%	Cut down all thistles that were flowering and before the went seed. Removed all debris. 1 employee or two temp workers 1 day.
B List Colorado Noxious Weed Mitigation Required Common Ragwort	High	as needed	Spring, Summer	2021	60%	Hand pulled common ragwort when noticed. 1 employee in travels. Mandated to eradicate by 2022. Spot Spray recommended
B List Colorado Noxious Weed Hoary Cress (White Top) mitigation	High	proposed	Spring, Summer	2021	50%	White top will need to be spot sprayed before it gets out of control. If we catch it while it is small then eradication will be less spray then if we wait.
Seek consultation with Natural Land Manager Specialists for next step	High	scheduled	January	2021	0%	This step will be necessary when the previous methods of weed mitigation are not successful.
Spot spray Use of chemical based Herbicide	High A and B list weeds	proposed	Spring, Summer	2021	0%	This step will be necessary when the previous methods of weed mitigation have not been successful on A & B

At the North Face Bike Park we are proposing a spot spray application to attempt to eradicate weeds on the Colorado Noxious Weed B list, *Common Tansy*, *Hoary Cress (White Top)* and *Canada Thistle*. *Common tansy* is a List B that requires elimination by 2022. We have been weed whacking and hand pulling the *Canada Thistle* and are keeping it from expanding, but mowing is not effective on the *Tansy* and *Hoary Cress* and may cause the plant to develop perennial characteristics. Both weeds have not responded favorably to our existing techniques for weed mitigation and have established themselves in specific areas adjacent to the riding surfaces in the bike park. The plan for 2021 is to continue with our techniques of burning the park, then weed whacking growth and re-establishing the pea gravel on top of the weed barrier on the non-rideable surfaces within the park. The Parks Department is requesting the use of a spot application on the B-list noxious weed *Common Tansy*, *Hoary Cress* and *Canada Thistle* of the herbicide *Escort XP* with a non-ionic surfactant and to apply it when the plant is bolting to the bud growth stage.