



STATE AGENCY AND COUNTY WEED DISTRICT
BIENNIAL NOXIOUS WEED REPORT
Fiscal Years 2018 & 2019

Submitted July 1st, 2020
Jasmine Reimer
State Noxious Weed Coordinator

Prepared by the Montana Department of Agriculture
Noxious Weed Program

State Agency and County Weed District Biennial Noxious Weed Report For Fiscal Years 2018 and 2019

The Montana Department of Agriculture is pleased to submit the State Agency and County Weed District Biennial Noxious Weed Report for fiscal years 2018 and 2019. The report is legislatively required, and compiles weed management information from ten state agencies owning land in Montana and the 56 county weed districts where the land is located. It is critical that responsible parties at the local and state levels communicate effectively and actively take part in each other's noxious weed control program to facilitate effective weed management across the state.

Under Section 7-22-2151, MCA, of the County Noxious Weed Control Act, state agencies are required to develop an agreement with county weed boards for weed management on state-owned lands.

Agreements must include:

- an integrated noxious weed management plan that is updated biennially;
- a noxious weed management goals statement;
- a specific plan of operations, including a budget to implement the plan; and
- submittal of a biennial performance report to the State Weed Coordinator at the Montana Department of Agriculture regarding success of the plan on a form provided by the Department.

To meet statutory requirements, an online reporting form, maintained by the Montana Department of Agriculture, was created. State agencies owning land in Montana consist of Administration, Corrections, Environmental Quality, Fish, Wildlife & Parks, Heritage Commission, Montana State University, Natural Resources and Conservation, Public Health and Human Services, Transportation and the University of Montana. Report information for fiscal years 2018 and 2019 was provided to the Department of Agriculture by representatives of nine agencies and approved by county weed district representatives.

Based on submitted information, the report shows that:

- an estimated 197,500 acres of state lands are reported infested with noxious weeds;
- a total of 206,735 acres were controlled for the biennium, roughly 52% of the total infested acres each year;
- management of noxious weeds cost \$12,108,469, an average cost of \$58.57 per acre;
- additional funding is needed for dedicated personnel and noxious weed control programs on state lands to protect Montana's agriculture, forestry, livestock, wildlife, and native plant communities.

There are significant discrepancies in how agencies monitor and inventory weed infested acres, causing reported totals to differ across the state. Agencies can only estimate the percent of acres being controlled as the actual number of infested acres is largely unknown. Accurate data and a defined measure of infested acres is needed. Dedicating considerable time, effort and funding is necessary to accomplish this change and improve the reporting process.

The format of the State Agency and County Weed District Biennial Noxious Weed Report for fiscal years 2018 and 2019 has been revised to provide a user-friendly summarized report. The summary, found at <https://agr.mt.gov/NoxiousWeedBiennialReport-Summary> includes a multi-agency comparison followed by single-page summaries of data and comments reported from each agency and the Department of Agriculture.

In-depth report data can be found at <https://Agr.mt.gov/NoxiousWeedBiennialReport>. Information in this detailed report is interactive, utilizing three tabs at the top of the page and a sorting tool for review of

individual agency/county summary sheets, agency goals, and comments submitted by report participants. Comments are shown as written by the reporting agency and county representatives.

Weed management in Montana continues to be challenged by the lack of a stable structure and adequate funding. The [Montana Noxious Weed Management Plan](#) includes tasks for developing long-term funding that supports employment of full-time, professional, qualified individuals to serve as weed coordinators in each state agency and county. If necessary, consolidating multiple counties is a recommended option in the Plan. Employing a full-time weed coordinator provides the leadership critical for organizing, directing, and implementing weed management and will ultimately strengthen Montana's weed management effort and facilitate implementation of the Montana Noxious Weed Management Plan.

As the report is reviewed, we encourage feedback and discussion with agency and county report representatives, and the Montana Department of Agriculture. Agency contact information is listed below, and county representative contact information is available from State Weed Coordinator Jasmine Reimer (444-3140 / jreimer@mt.gov) at the Montana Department of Agriculture.

Montana Department of Administration (ADM)
Brian Bourgeois / bbourgeois@mt.gov / 461-9386

Montana Department of Corrections (CORR)
Ross Wagner / RWagner2@mt.gov / 846-1320 ext. 2322

Montana Department of Environmental Quality (DEQ)
Ben Quiñones / Bequinones@mt.gov / 444-6593

Montana Fish, Wildlife & Parks (FWP)
Adam Sieges / Adam.Sieges@mt.gov / 693-9083

Department of Commerce
Montana Heritage Commission (HERI)
Elijah Allen / eallen@mt.gov / 369-8147

Montana State University (MSU)
Jody Barney / jody.barney@montana.edu / 994-3292

Montana Natural Resources and Conservation (DNRC)
Dan Dobler / ddobler@mt.gov / 444-9726

Montana Public Health and Human Services (DPHHS)
Cheryl Richman / crichman@mt.gov / 444-4690

Montana Department of Transportation (DOT)
Bob Cloninger / bcloninger@mt.gov / 444-6035

University of Montana (U of M)
Marilyn Marler / marilyn.marler@mso.umt.edu / 544-7189



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
All

All: ACRES, INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES				INFESTED ACRES				% INFESTED				TREATED ACRES		% TREATED			\$ SPENT / ACRE TREATED		
	2M	4M	6M	8M	0K	100K	200K	300K	0%	20%	40%	60%	0	200,000	0%	500%	1000%	\$0	\$50	\$100
ADM	100				20					20.00%			150			750.00%				\$34.67
CORR	37,163				7,825					21.06%			10,111			129.21%				\$14.48
DEQ	3,885				1,624					41.80%			12,552			772.91%				\$72.67
DNRC		4,756,145				111,863				2.35%			14,426			12.90%				\$49.82
DOT	158,231				28,450					17.98%			134,637			473.24%				\$64.75
DPHHS	481				218					45.32%			916			420.18%				\$48.13
FWP	507,297				43,286					8.53%			29,140			67.32%				\$46.62
HERIT	724				31					4.28%			0			0.00%				
MSU	22,648				1,981					8.75%			3,326			167.90%				\$23.82
UofM	4,430				2,202					49.71%			1,477			67.08%				\$85.44
Grand Total		5,491,104				197,500				3.60%			206,735			104.68%				\$58.57

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES					EXPENDITURES				
		0	50,000	100,000	150,000	200,000	250,000	\$0	\$5,000,000	\$10,000,000	\$15,000,000
ADM	Herbicide	125						\$3,950			
	Mechanical	25						\$1,250			
	Total	150						\$5,200			
CORR	Bio-Control	95						\$375			
	Herbicide	10,016						\$146,015			
	Total	10,111						\$146,390			
DEQ	Herbicide	12,552						\$912,211			
	Total	12,552						\$912,211			
DNRC	Bio-Control	1,369						\$19,100			
	Herbicide	13,043						\$699,220			
	Mechanical	8						\$177			
	Revegetation	6						\$200			
	Total	14,426						\$718,697			
DOT	Bio-Control	405						\$5,350			
	Herbicide			102,569				\$7,786,044			
	Mechanical	31,663						\$926,577			
	Total			134,637				\$8,717,971			
DPHHS	Herbicide	656						\$15,095			
	Mechanical	43						\$23,100			
	Revegetation	217						\$5,890			
	Total	916						\$44,085			
FWP	Bio-Control	2,604						\$47,004			
	Herbicide	21,717						\$965,440			
	Mechanical	4,139						\$278,236			
	Revegetation	680						\$67,878			
	Total	29,140						\$1,358,558			
HERIT	--No Action T..	0						\$0			
	Herbicide	0						\$0			
	Total	0						\$0			
MSU	Bio-Control	106						\$4			
	Herbicide	2,755						\$67,860			
	Mechanical	453						\$10,110			
	Revegetation	12						\$1,240			
	Total	3,326						\$79,214			
UofM	Bio-Control	500						\$2			
	Herbicide	896						\$117,345			
	Mechanical	52						\$2,951			

Agency Comment:



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
ADM

Department of Administration: ACRES, INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES			INFESTED ACRES			% INFESTED				TREATED ACRES				% TREATED			\$ SPENT / ACRE TREATED		
	0	50	100	0	10	20	0%	10%	20%	30%	0	50	100	150	0%	500%	1000%	\$0	\$20	\$40
ADM																				
Grand Total																				

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES														EXPENDITURES					
		0	20	40	60	80	100	120	140	160	\$0	\$1,000	\$2,000	\$3,000	\$4,000	\$5,000	\$6,000				
ADM	Herbicide																				
	Mechanical																				
	Total																				
Grand Total																					

AgencyComment:

No comments were submitted

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
ADM	LEWIS AND CLARK	to reduce the amount of noxious weeds in our "wild areas"	Yes we had a good kill in the spring	to spray in the fall	no. weather did not work for us	use differant herbicide to controll weed spread	Yes. we had good success with the products we used



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
CORR

Corrections: ACRES , INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES			INFESTED ACRES			% INFESTED				TREATED ACRES			% TREATED			\$ SPENT / ACRE TREATED		
	0K	20K	40K	0K	5K	10K	0%	10%	20%	30%	0	5,000	10,000	0%	100%	200%	\$0	\$10	\$20
CORR	37,163			7,825			21.06%				10,111			129.21%			\$14.48		
Grand Total	37,163			7,825			21.06%				10,111			129.21%			\$14.48		

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES						EXPENDITURES			
		0	2,000	4,000	6,000	8,000	10,000	12,000	\$0	\$50,000	\$100,000
CORR	Bio-Control	95						\$375			
	Herbicide					10,016				\$146,015	
	Total					10,111				\$146,390	
Grand Total						10,111				\$146,390	

AgencyComment :

It is the goal of Montana Correctional Enterprises (MCE) to control the spread of noxious weeds and eradicate the weeds where eradication is a viable option. The MCE Ranch is a self-supporting program that provides inmates the opportunity to learn life and job skills that enable them to become productive employees, good neighbors and law abiding, tax-paying citizens when they are released, creating safer communities. MCE was able to double the acres treated by increasing our noxious weed budget. MCE will continue to monitor and treat infested acres in the next biennium. MCE Ranch and Crops staff are issued maps to evaluate and monitor infestations on daily rounds. This will enable us to establish a plan of action through early detection. We will continue helicopter spraying on areas which are impossible or unsafe to treat by other means. Spot spraying and hand roguing will continue. Lastly, in Fiscal Year 2021 we will restart our Pesticide Applicator certification program for inmates through a partnership with the Montana Department of Agriculture.

Thank you and stay safe,
Ross Wagner, MCE Agriculture Director

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
CORR	CUSTER	It is the goal of MCE Management to control the spread of noxious weeds on MCE ranch lands and eradicate the weeds where eradication is a viable goal.	Steve Ray reported 90% success rate in the areas sprayed.				
	JEFFERSON	It is the goal of MCE Management to control the spread of noxious weeds on MCE ranch lands and eradicate the weeds where eradication is a viable goal.	John Heide, MCE lessee, reported spot spraying and was quite successful in the areas sprayed.				
	POWELL	It is the goal of MCE Management to control the spread of noxious weeds on MCE ranch lands and eradicate the weeds where eradication is a viable goal.	Aerial sprayed 2000 acres, Mud Lake improvement with Bio Control, good control of Russian Thistle, Logging roads re-established well with native grass seed.				



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
DEQ

Environmental Quality: ACRES , INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES			INFESTED ACRES			% INFESTED				TREATED ACRES		% TREATED			\$ SPENT / ACRE TREATED		
	0K	2K	4K	0K	1K	2K	0%	20%	40%	60%	0	10,000	0%	500%	1000%	\$0	\$50	\$100
DEQ	3,885			1,624			41.80%				12,552		772.91%			\$72.67		
Grand Total	3,885			1,624			41.80%				12,552		772.91%			\$72.67		

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES							EXPENDITURES				
		0	2,000	4,000	6,000	8,000	10,000	12,000	14,000	\$0	\$200,000	\$400,000	\$600,000
DEQ	Herbicide	12,552							\$912,211				
	Total	12,552							\$912,211				
Grand Total		12,552							\$912,211				

AgencyComment:

Due to the nature of the Montana Department of Environmental Quality/Remediation Division's cleanup activities (complete removal of highly contaminated soils followed by placement of unimpacted soils and reseeding with native and other desirable plant species), an aggressively weed control strategy is necessary in order to meet our reclamation/remediation revegetation goals. Part of our revegetation strategy to attain revegetation goals includes controlling non-desirable plants within or cleanup boundaries, even though some species are not listed as state nor county noxious weeds. The Montana Department of Environmental Quality's Remediation Division (DEQ) is responsible for implementing Superfund cleanup along Silver Bow Creek and the Clark Fork River. The cleanup activities have occurred in Silver Bow, Deer Lodge, and Powell Counties within properties held by DEQ, other governmental entities, and private parties. During the Biennium, the DEQ (through private contractors) conducted weed control on 9205 cumulative acres (4356 acres held by others). Activities were comprised of two full rounds of weed control, followed by a late season, abbreviated third pass targeting weed hotspots along Silver Bow Creek and the Clark Fork River. Weed control activities were primarily aimed at remediated areas. DEQ, through our contractors, conducted limited pretreatment of project areas prior to cleanup activities to reduce the noxious weed seedbed.

In Cascade County, our weed control efforts have targeted not only listed noxious weeds, but poison hemlock, common mullein, and musk thistle as well. Staff from the Montana Department of Environmental Quality's Remediation Division continue to notice a decrease in noxious weed density within the Upper Blackfoot Mining Complex project area within Lewis and Clark County. We attribute this to an aggressive weed control program, which continues at the Upper Blackfoot Mining Complex. In Jefferson County, available funding for the Basin Creek Mine Site remains severely limited, therefore active weed control/management targeted the active construction areas to reduce spread by equipment and trucks. In Mineral County, weed control activities have focused on the mine waste repository held by DEQ and the cleanup haul route as part of the Flat Creek cleanup project area. Weed control activities will be conducted at least twice per growing season. Aside from weed infestations along Highway 212, weed control within the McLaren Tailings project in Park County remain effective.
Ben Quiñones, DEQ

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DEQ	CASCADE	Control noxious weeds within project boundary.	Yes, this is an ongoing process.	Enhance "border weed control" to help mitigate potential weed invasion and migration from/to neighboring parcels.	Additional attention to property boundaries helps reduce further weed invasion.		
	DEER LODGE	Control noxious weeds within project boundary.	Yes, this is an ongoing process.	Complete two full rounds of weed control per season, and a third abbreviated pass targeting "hotspots".	Yes, the process of two full passes followed by targeted hotspot application has proven to be effective.	Enhance "border weed control" to help mitigate potential weed invasion and migration from/to neighboring parcels.	Additional attention to property boundaries has helped reduce further weed invasion.
	JEFFERSON	Control noxious weeds within project boundary.	Yes, this is an ongoing process.	Complete two full rounds of weed control per season.	No, targeted active construction areas with a single pass.		
	LEWIS AND CLARK	Control noxious weeds within project boundary.	Yes, this is an ongoing process.	Complete two full rounds of weed control per season.	No. Two full passes were conducted at one site, but only active areas were targeted at the other.	Enhance "border weed control" to help mitigate potential weed invasion and migration from/to neighboring parcels.	Additional attention to property boundaries has helped reduce further weed invasion.
	MINERAL	Control noxious weeds within project boundary.	Yes, this is an ongoing process.				
	PARK	Control noxious weeds within project boundary.	Yes, this is an ongoing process.	Enhance "border weed control" to help mitigate potential weed invasion and migration from/to neighboring parcels.	Additional attention to property boundaries has helped reduce further weed invasion.		
	POWELL	Control noxious weeds within project boundary.	Yes, this is an ongoing process.	Complete two full rounds of weed control per season, and a third abbreviated pass targeting "hotspots".	Yes, the process of two full passes followed by targeted hotspot application has proven to be effective.	Enhance "border weed control" to help mitigate potential weed invasion and migration from/to neighboring parcels.	Additional attention to property boundaries has helped reduce further weed invasion.
	SILVER BOW	Control noxious weeds within project boundary.	Yes, this is an ongoing process.	Complete two full rounds of weed control per season (if necessary), and a final abbreviated pass targeting "hotspots".	Yes, the process of two full passes followed by targeted hotspot application has proven to be effective.	Enhance "border weed control" to help mitigate potential weed invasion and migration from/to neighboring parcels.	Additional attention to property boundaries has helped reduce further weed invasion.



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
DNRC

Natural Resources and Conservation: ACRES, INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES					INFESTED ACRES				% INFESTED				TREATED ACRES			% TREATED				\$ SPENT / ACRE TREATED			
	0M	2M	4M	6M	8M	0K	50K	100K	150K	0%	1%	2%	3%	0	10,000	20,000	0%	5%	10%	15%	\$0	\$20	\$40	\$60
DNRC	4,756,145					111,863				2.35%				14,426			12.90%				\$49.82			
Grand Total	4,756,145					111,863				2.35%				14,426			12.90%				\$49.82			

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES							EXPENDITURES			
		0	2,000	4,000	6,000	8,000	10,000	14,000	16,000	\$0	\$200,000	\$400,000
DNRC	Bio-Control	1,369							\$19,100			
	Herbicide	13,043							\$699,220			
	Mechanical	8							\$177			
	Revegetation	6							\$200			
	Total	14,426							\$718,697			
Grand Total	14,426							\$718,697				

AgencyComment:

The Department of Natural Resources and Conservation (DNRC) Trust Land Management Division manages 5.2 million surface acres of State School Trust Lands to produce revenue for the trust beneficiaries. The DNRC Ag & Grazing Management Bureau requires annual inspections on approximately 10% of 4,646,545 acres every year through the lease renewal inspection process. All DNRC Agricultural & Grazing Lease/License Agreements contain the following terms and conditions that require all parties to the lease to mutually agree to:

"16. The lessee agrees, at his own expense and cost, to keep the land free from noxious weeds, and if noxious weeds are present, then chemical application or other appropriate weed control Measures must occur in time to prevent seed-set according to state law and to exterminate pests to the extent as required by the Department. In the event that the land in the lease shall be included in a weed control and weed seed extermination district, the lessee shall be required to comply with the provisions of Section 77-6-114, MCA, which provides as follows. "It shall be the duty of the Land Board in leasing any agricultural state land to provide in such lease, that the lessee of lands so leased lying within the boundaries of any noxious weed control weed seed extermination district shall assume an pay all assessments and taxes levied by the board of County Commissioners for such district on such state lands, and such assessments and tax levy shall be imposed on such lessee as a personal property tax and shall be collected by the County Treasurer in the same manner as regular personal property taxes are collected." Failure to comply with this provision when directed to do so by the Department may result in cancellation of the entire lease."

As lands are inspected in association with leases or licenses for classified agricultural and grazing lands weed infestations are noted by type and approximate infested acreage. For these lands, follow-up contact is made with the lessee and a noxious weed management plan and/or control is required by the Department as a stipulation for lease renewal to comply with the above mentioned condition of the lease. For unleased/unlicensed classified forest lands (approximately 553,054 acres), the DNRC is solely responsible for weed control on those lands. The DNRC conducts site-specific plans that are developed to address weed control before, during, and after any DNRC surface management activities are completed.

It is my professional opinion that I would estimate approximately 13-16% of DNRC owned lands have noxious weed infestations at some level. The DNRC is spending approximately \$450-500K on an biennial basis for weed control across all state lands.

Dan Dobler, State Lands Weed Coordinator
Ag & Grazing Management Bureau
Trust Land Management Division
MT DNRC

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DNRC	BEAVERHEAD	Monitor Unleased/Unlicensed Tracts for Weeds	No Weeds Found				
	BIG HORN	Formulate management plan.	none	Cooperatively work on noxious weed projects.	none		
	BLAINE	Communicate with County Weed District in regards to large noxious weed infestations on State Trust Lands.	Yes. County is aware of large infestations on State Trust Lands.				
	BROADWATER	Meet with County weed coordinator 1x per year.	Yes, communicated regularly with Jessica Bushnell.	Continue to work with Elkhorn Interagency Weed Group.	Continue to work with Jessica and the EIWG.		
	CARBON	Continued support for control projects.	Supplemental funding for Herbicide.	Regularly discuss management priorities.	Communication in person, phone, and E-mail.		
	CARTER	Maintain effective communication with the county weed coordinator.	We have strong two way communication with the Carter County Weed Department.	Assist with spray days when possible.	We have consistanly been able to particiapte in a project.		
	CASCADE	Meet with County weed coordinator 1x per year.	Yes, communicated regularly with Josh Blystone.				
	CHOUTEAU	Communicate with County Weed District in regards to large noxious weed infestations on State Trust Lands.	Yes. County is aware of large infestations on State Trust Lands.				
	CUSTER	Maintain communication with county coordinator regarding noxious weeds on state tracts to access needs and special projects.	We have very good two way communication with Custer County				
	DANIELS	Control or eradicate all Priority 1A, 2A, 1B, 2B and 3 noxious weed infestations	Goal is on-going. New infestations identified and controlled as they come up.	Control specific infestations identified annually on State land by DNRC staff	Control efforts completed and invoice paid by DNRC		
DAWSON	Communicate with county coordinator regarding any special needs or situations.	Meet with Dawson County coordinator in the spring to discuss goals and needs. Other communication is as needed.					

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DNRC	DEER LODGE	Contain existing infestations and eliminate new ones.	yes				
	FALLON	Maintain effective communication with the Fallon County Coordinator to discuss special projects and management needs on state trust lands.	Good communication in person, by phone and email throughout the year regarding noxious weed issues on state trust lands.				
	FERGUS	Communicate with County Weed District in regards to large noxious weed infestations on State Trust Lands.	Yes. County is aware of large infestations on State Trust Lands.				
	FLATHEAD	Meet yearly with county applicators to discuss priorities and goals for the year.	Yes, we typically meet before herbicide application season begins.				
	GALLATIN	Meet annually with the County Weed District	yes	Look for cooperative projects with the County Weed District	yes	Manage funds appropriately	yes
	GARFIELD	Maintain open communication with county coordinator in case of special needs or projects.	Visit with Garfield County Coordinator as needed.				
	GLACIER	Annually meet with weed district	Yes	Identify county and DNRC noxious weed priorities	Yes	Budget monies for priorities	Yes
	GOLDEN VALLEY	Communicate with County Weed District in regards to large noxious weed infestations on State Trust Lands.	Yes. County is aware of large infestations on State Trust Lands.				
	GRANITE	Manage noxious weeds at the airport/gravel pit site.	yes				
	HILL	Meet with County Coordinator at least once per year to go over Priority Areas in the County	Yes, Phragmites along the Milk River is almost in controlled status.				
	JEFFERSON	Meet with County weed coordinator 1x per year.	Yes, worked with Jill Allen to complete weed management plan in spring 2018.				

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DNRC	JUDITH BASIN	Communicate with County Weed District in regards to large noxious weed infestations on State Trust Lands.	Yes. County is aware of large infestations on State Trust Lands.				
	LAKE	Control Weeds along roadsides used by logging traffic and public.	Yearly applications were completed in high traffic areas using Flathead County Weed spray contract.	Continue to monitor effectiveness of bio control release on the SRSF.	Permanent photo points were installed at release sites and photos are being collected each year.		
	LEWIS AND CLARK	Meet with County weed coordinator 1x per year.	Yes, communicated regularly with Christian Lehnert.	Continue to work with Elkhorn Interagency Weed Group.	Yes, participated in Dearborn Spray Days in 2018 and 2019.	Continue to work with Christian on Dearborn area spray days and other weed management projects in L&C County.	
	LIBERTY	Annually meet with County weed district	yes	Identify county and DNRC noxious weed priorities on DRNC land	yes	budget monies for tdenfified priorities	yes - 2 year plan was funded (between DNRC, County, and grant funding). More funding is always needed.
	LINCOLN	Integrated approach including chemical, biological, cultural and preventative measures	Yes. Chemical, cultural, and preventative measures, along with cooperative management of Tansy Ragwort, which includes biological control, has been implimentes with success.				
	MADISON	To monitor unleased tracts in Madison County for noxious weed infestations.	Section 16, T6S R5W is the unleased tract in Madison County, tract was visited last in 2016 and will be visited in 2020-21 biennium.				
	MCCONE	Maintain open communication with county coordinator in case of changing needs or special situations.	Have visited with McCone County coordinator and have other forms of communication available as needed.				
	MEAGHER	Meet with County weed coordinator 1x per year.	Yes, met with Otto Olson 2x in 2018.				
	MINERAL	Contain noxious weeds by managing transportation vectors.	yes				
	MISSOULA	Contain existing infestations and eliminate new ones.	yes				
	MUSSELSHELL	Continued support for control projects.	Musselshell River Cooperative Weed Management Area.	Regularly discuss management priorities.	Communication in person, phone, and E-mail.		

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DNRC	PARK	Work cooperatively with the WD to identify priority areas and address concerns and problems as they arise on leased lands to get lessees on a NWMP.	Yes.				
	PETROLEUM	Communicate with County Weed District in regards to large noxious weed infestations on State Trust Lands.	Yes. County is aware of large infestations on State Trust Lands.				
	PHILLIPS	Control or eradicate all Priority 1A, 2A, 1B, 2B and 3 noxious weed infestations	Goal is on-going. New infestations identified and controlled as they come up.	Control specific infestations identified annually on State land by DNRC staff	Control efforts completed and invoice paid by DNRC		
	PONDERA	Biological Releases for Russian Knapweed on Muddy Creek.	Multiple releases.	Continued Support of Swift Dam Spray Day	Contributed and Sprayed in 2018 and 2019	Meet Annually to Discuss Weed Management Priorities	Yearly
	POWDER RIVER	Work with county coordinator to identify special projects.	Have worked with Powder River Coordinator on the past on special projects.				
	POWELL	kill weeds	got some				
	PRAIRIE	Maintain communication with the county coordinator regarding noxious weeds on state trust land.	Visit with Prairie County coordinator either in person or by phone as needed to stay informed to needs and projects.				
	RAVALLI	Manage noxious weeds on unleased areas and severe infestations	yes				
	RICHLAND	Communicate with county coordinator to determine needs or special projects	Meet in person, visit on phone or by email at least once a year and additionally as needed.				
	ROOSEVELT	Control or eradicate all Priority 1A, 2A, 1B, 2B and 3 noxious weed infestations	Goal is on-going. New infestations identified and controlled as they come up.	Control specific infestations identified annually on State land by DNRC staff	Control efforts completed and invoice paid by DNRC		
	ROSEBUD	Visit as needed about noxious weed issues on state trust lands within Rosebud County.	We have good communication as needed to discuss noxious weed issues on state trust lands in Rosebud county.				

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DNRC	SANDERS	Control blueweed on DNRC lands.	Blueweed has been made a priority for spraying locations.				
	SHERIDAN	Control or eradicate all Priority 1A, 2A, 1B, 2B and 3 noxious weed infestations	Goal is on-going. New infestations identified and controlled as they come up.	Control specific infestations identified annually on State land by DNRC staff	Control efforts completed and invoice paid by DNRC		
	SILVER BOW	Contain noxious weeds by managing transportation vectors.	yes				
	STILLWATER	Continued support for control projects.	Supplemental funding for herbicide treatments.	Regularly discuss management priorities.	Communication in person, phone, and E-mail.		
	SWEET GRASS	Continued support for control projects.	Cooperative teamwork on Dyers Woad site.	Regularly discuss management priorities.	Communication in person, phone, and E-mail.		
	TETON	Biological Released on the Teton River.	Continued releases on the river.	Spray Babies's Breath North of Augusta	Sprayed in 2019 twice.	Meet Annually to Discuss Weed Management Priorities	Yearly
	TOOLE	Annually meet with County weed district	Yes	Identify County and DNRC noxiouw weed priorities on DNRC land	Yes	Budget monies for identified priorities	Yes - 2 year plan was funded (between DNRC, County, and grant funds) More monies are always needed
	TREASURE	Continued support for control projects.	Supplemental funding for herbicide and biological treatments.	Regularly discuss management priorities.	Communication in person, phone, and E-mail.		
	VALLEY	Control or eradicate all Priority 1A, 2A, 1B, 2B and 3 noxious weed infestations	Goal is on-going. New infestations identified and controlled as they come up.	Control specific infestations identified annually on State land by DNRC staff	Control efforts completed and invoice paid by DNRC		
	WHEATLAND	Communicate with County Weed District in regards to large noxious weed infestations on State Trust Lands.	Yes. County is aware of large infestations on State Trust Lands.				
	WIBAUX	Communicate with the county coordinator about noxious weed issues on state trust lands.	I have visited on the phone with the Wibaux County Coordinator. We will keep in contact as needed.				

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DNRC	YELLOWSTONE	Continued support for control projects.	Rangeland herbicide test plot treatments.	Regularly discuss management priorities.	Communication in person, phone, and E-mail.		



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
DOT

Transportation: ACRES, INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES			INFESTED ACRES					% INFESTED			TREATED ACRES			% TREATED		\$ SPENT / ACRE TREATED			
	0K	100K	200K	0K	10K	20K	30K	40K	0%	10%	20%	0	100,000	200,000	0%	500%	\$20	\$40	\$60	\$80
DOT			158,231					28,450			17.98%			134,637		473.24%				\$64.75
Grand Total			158,231					28,450			17.98%			134,637		473.24%				\$64.75

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES								EXPENDITURES					
		0	20,000	40,000	60,000	80,000	100,000	120,000	140,000	\$0	\$2,000,000	\$4,000,000	\$6,000,000	\$8,000,000	\$10,000,000
DOT	Bio-Control	405								\$5,350					
	Herbicide							102,569						\$7,786,044	
	Mechanical		31,663							\$926,577					
	Total													\$8,717,971	
Grand Total														\$8,717,971	

Agency Comment:

The Montana Department of Transportation greatly appreciates the Department of Agriculture's creation of the Biennial Report format. MDT partners with counties and other agencies to manage noxious weeds on our property. The creation of the Biennial Report allows recording of noxious weed data on a statewide basis. The creation of this report encourages interaction and involvement between all partners. The information on the report aids MDT with budgeting, planning, goal setting and reporting. The quantity entered in "infested acres" is a subjective number as it is very difficult to define or measure "infested". Any concerns or questions about information on the reported should be directed to the appropriate agency for clarification.

Bob Cloninger - MDT

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DOT	BEAVERHEAD	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	yes		
	BIG HORN	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	The county is working better with MDT.				
	BLAINE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	BROADWATER	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	CARBON	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	CARTER	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	CASCADE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	CHOUTEAU	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	CUSTER	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	DANIELS	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
DAWSON	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes			

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DOT	DEER LODGE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	FALLON	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.f	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	FERGUS	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	FLATHEAD	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	GALLATIN	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes				
	GARFIELD	MDT attributes 10% of its mowing costs within the County to weed control. Bob Cloninger 10/02/19	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	GLACIER	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	County spraying is improving.	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	GOLDEN VALLEY	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	GRANITE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	HILL	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	JEFFERSON	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DOT	JUDITH BASIN	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	LAKE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	LEWIS AND CLARK	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Needs improvement moving forward.				
	LIBERTY	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	LINCOLN	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	MADISON	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	MCCONE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	MEAGHER	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	MINERAL	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	This has improved.		
	MISSOULA	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
MUSSELSHELL	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes			

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DOT	PARK	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	PETROLEUM	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	PHILLIPS	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	PONDERA	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	The county is working toward improvement.	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	This has been improving.		
	POWDER RIVER	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	POWELL	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	PRAIRIE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	RAVALLI	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	RICHLAND	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	ROOSEVELT	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
ROSEBUD	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes			

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DOT	SANDERS	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	SHERIDAN	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	SILVER BOW	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	STILLWATER	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	SWEET GRASS	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	TETON	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	TOOLE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	TREASURE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	VALLEY	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
	WHEATLAND	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		
WIBAUX	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	MDT attributes 10% of its mowing costs within the County to weed control. Bob Cloninger 10/04/19	Yes			

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DOT	YELLOWSTONE	To manage MDT property in accordance to MDT Statewide Integrated Roadside Vegetation Management Plan 2018-2024 including treating Zone 1 as necessary and prioritize Zone 2 as budget allows.	Yes	Have good communication concerning status updates and work plans for MDT treatments. Submit bills in a timely manner.	Yes		



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
DPHHS

Public Health and Human Services: ACRES , INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES				INFESTED ACRES		% INFESTED				TREATED ACRES			% TREATED				\$ SPENT / ACRE TREATED			
	0	200	400	600	0	100	200	0%	20%	40%	60%	0	500	1,000	0%	200%	400%	600%	\$0	\$20	\$40
DPHHS																					
Grand Total																					

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES					EXPENDITURES				
		0	200	400	600	800	1,000	\$0	\$10,000	\$20,000	\$30,000
DPHHS	Herbicide										
	Mechanical										
	Revegetation										
	Total										
Grand Total											

Agency Comment:

No comments were submitted

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
DPHHS	DAWSON	To control invasive or noxious weeds	Yes - continually spray as needed				
	DEER LODGE	to spray campus' occupied areas for noxious weeds	yes, Trugreen sprays 3 times/year the 50% that is grass				
	FERGUS	To be weed free by mowing and application of herbicide by facility staff and local lawn service.	Facility grounds are free of noxious weeds				
	FLATHEAD	Maintain grounds without weeds - eliminate/control growth of broadleaf weeds;	Yes	Eliminate - control growth of other noxious weeds on campus grounds	Yes		
	JEFFERSON	Ensure curriculum objectives meet established state and local standards/benchmarks	yes, we sprayed on 8/17/19				



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
FWP

Fish, Wildlife and Parks: ACRES , INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES		INFESTED ACRES				% INFESTED			TREATED ACRES			% TREATED			\$ SPENT / ACRE TREATED				
	0K	500K	0K	20K	40K	60K	0%	5%	10%	0	20,000	40,000	0%	50%	100%	\$0	\$20	\$40	\$60	
FWP		507,297			43,286				8.53%			29,140			67.32%					\$46.62
Grand Total		507,297			43,286				8.53%			29,140			67.32%					\$46.62

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES						EXPENDITURES			
		0	5,000	10,000	15,000	20,000	30,000	\$0	\$500,000	\$1,000,000	\$1,500,000
FWP	Bio-Control	2,604						\$47,004			
	Herbicide	21,717						\$965,440			
	Mechanical	4,139						\$278,236			
	Revegetation	680						\$67,878			
	Total	29,140						\$1,358,558			
Grand Total		29,140						\$1,358,558			

Agency Comment:

Fish, Wildlife & Parks is responsible for the management of 508,755 acres statewide through ownership or leases. This management is spread across 491 distinct sites in 3 divisions that are responsible for management of noxious weeds on their respective sites. The breakdown of acreage across divisions is as follows:

- The Fisheries Division manages approximately 16,651 acres in fee title and leased lands across 348 sites, primarily Fishing Access Sites.
- The Wildlife Division manages approximately 450,224 acres in fee title and leased lands/rights of way across 81 sites, primarily as Wildlife Management Areas.
- The Parks Division manages approximately 41,770 acres in fee title and leased lands across 57 sites, primarily as State Parks.

Using an integrated approach to managing weeds, FWP staff prioritize efforts and select the most appropriate technique for addressing each noxious weed issue. Individual goals vary for unique properties depending upon factors such as the weed species being treated, appropriate methods for treatment, available staff and resources, and overall management goals for specific properties. In addition to treating noxious weeds on FWP owned/leased lands the agency makes payments for the treatment of noxious weeds on private lands that are enrolled in the Block Management Program, a program that compensates private landowners for allowing access to hunters. Over the biennial period FWP payed over \$571,000 through this program to address the impact of noxious weeds on private land. Also, within the biennial reporting period FWP implemented the Wildlife Habitat Improvement Program (WHIP), a program that provides federal Pittman-Robertson Wildlife Restoration funds for treating noxious weeds to restore priority wildlife habitat. Since the program's inception the WHIP advisory council has voted to fund 7 projects containing 659,167 acres of priority wildlife habitat. In these project areas there will be 43,627 acres receiving treatments for noxious weeds through chemical, biological control, and revegetation methods with a total grant award of \$1,793,514.

Adam Sieges, FWP

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
FWP	TOOLE	Early detection and rapid control of new invaders and newly established infestations.	Yes, FWP places the highest priority early detection and rapid response to new invaders and newly established infestations.	Control of noxious weed seed production in high public use areas to prevent spread.	Yes, it is a high priority of FWP to treat areas of high public use such as parking lots, roadsides, and trailheads to prevent the spread of noxious weed seeds.	Complete control or eradication of established priority noxious weeds occurring as scattered satellite infestations.	Yes, FWP places priority on control and eradication of scattered satellite infestations of established priority noxious weeds.
	TREASURE	Early detection and rapid control of new invaders and newly established infestations.	Yes, FWP places the highest priority early detection and rapid response to new invaders and newly established infestations.	Control of noxious weed seed production in high public use areas to prevent spread.	Yes, it is a high priority of FWP to treat areas of high public use such as parking lots, roadsides, and trailheads to prevent the spread of noxious weed seeds.	Complete control or eradication of established priority noxious weeds occurring as scattered satellite infestations.	Yes, FWP places priority on control and eradication of scattered satellite infestations of established priority noxious weeds.
	VALLEY	Early detection and rapid control of new invaders and newly established infestations.	Yes, FWP places the highest priority early detection and rapid response to new invaders and newly established infestations.	Control of noxious weed seed production in high public use areas to prevent spread.	Yes, it is a high priority of FWP to treat areas of high public use such as parking lots, roadsides, and trailheads to prevent the spread of noxious weed seeds.	Complete control or eradication of established priority noxious weeds occurring as scattered satellite infestations.	Yes, FWP places priority on control and eradication of scattered satellite infestations of established priority noxious weeds.
	WHEATLAND	Early detection and rapid control of new invaders and newly established infestations.	Yes, FWP places the highest priority early detection and rapid response to new invaders and newly established infestations.	Control of noxious weed seed production in high public use areas to prevent spread.	Yes, it is a high priority of FWP to treat areas of high public use such as parking lots, roadsides, and trailheads to prevent the spread of noxious weed seeds.	Complete control or eradication of established priority noxious weeds occurring as scattered satellite infestations.	Yes, FWP places priority on control and eradication of scattered satellite infestations of established priority noxious weeds.
	YELLOWSTONE	Early detection and rapid control of new invaders and newly established infestations.	Yes, FWP places the highest priority early detection and rapid response to new invaders and newly established infestations.	Control of noxious weed seed production in high public use areas to prevent spread.	Yes, it is a high priority of FWP to treat areas of high public use such as parking lots, roadsides, and trailheads to prevent the spread of noxious weed seeds.	Complete control or eradication of established priority noxious weeds occurring as scattered satellite infestations.	Yes, FWP places priority on control and eradication of scattered satellite infestations of established priority noxious weeds.



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
HERIT

Montana Heritage Commission: ACRES , INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES					INFESTED ACRES				% INFESTED				TREATED ACRES	% TREATED	\$ SPENT / ACRE TREATED
	0	200	400	600	800	0	10	20	30	0%	2%	4%	6%	0	0%	\$0
HERIT	724					31				4.28%				0	0.00%	
Grand Total	724					31				4.28%				0	0.00%	

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES		EXPENDITURES	
		0		\$0	
HERIT	~No Action T..	0		\$0	
	Herbicide	0		\$0	
	Total	0		\$0	
Grand Total		0		\$0	

Agency Comment:

No comments were submitted

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
HERIT	LEWIS AND CLARK	Eliminate all noxious weeds located on State owned property located at Reeder's Alley in Helena, MT	All noxious weeds have been eliminated and will be monitored every year.				
	MADISON	Herbicide to be used on heavy invested areas and will be monitored twice a year.	Majority of infected areas have been addressed and will require additional monitoring and maintenance in the years to come.				



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
MSU

Montana State University: ACRES , INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES				INFESTED ACRES			% INFESTED			TREATED ACRES			% TREATED			\$ SPENT / ACRE TREATED			
	0K	10K	20K	30K	0K	1K	2K	0%	5%	10%	0	2,000	4,000	0%	100%	200%	\$0	\$10	\$20	\$30
MSU	22,648				1,981			8.75%			3,326			167.90%			\$23.82			
Grand Total	22,648				1,981			8.75%			3,326			167.90%			\$23.82			

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES							EXPENDITURES			
		0	500	1,000	1,500	2,000	2,500	3,000	3,500	\$0	\$20,000	\$40,000
MSU	Bio-Control	106							\$4			
	Herbicide	2,755							\$67,860			
	Mechanical	453							\$10,110			
	Revegetation	12							\$1,240			
	Total	3,326							\$79,214			
Grand Total	3,326							\$79,214				

Agency Comment:

No comments were submitted

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
MSU	FLATHEAD	Scouting for Noxious weeds	Yes	Spraying herbicides	Yes, spraying locations with noxious weeds	Mowing, Revegetation, Monitoring	Yes
	GALLATIN	Control Canada Thistle	Met and ongoing	Control Houndstongue	Met and ongoing	Control Common Tansy	Started but not complete
	HILL	spray and control noxious weeds on managed properties	Yes				
	JUDITH BASIN	Prevent noxious weed seed production; achieve suppression of established plants	Yes/Yes				
	MADISON	Continue to decrease the leafy spurge through the ranch. Start next to roadways and work back into the interior of the ranch to avoid passing vehicles spreading more spurge.	Got all of the spurge sprayed along the highways and county roads and released 6 batches of spurge beetles and fleas on some of the bigger interior plots.	Continue working on knapweed and larkspur	We wait until the fall to spray knapweed and hit it hard in September. The residual spray on the ground seems to do a good job killing the seedlings as well.	Get all plots that we have sprayed and/or need spraying documented on GPS	Have continued to get all the plots sprayed in GPS and the group that came to spread spurge beetles documented and GPS'd everywhere the beetles were spread.
	PHILLIPS	spot treat any invasive weeds	yes				
	PONDERA	Herbicide tolerate Kochia	reduced acres of herbicide tolerate Kochia	Decrease occurrence of noxious weeds			
	RAVALLI	We are researching control/revegetation practices for priority 2B noxious weeds (Canada thistle, field bindweed, and spotted knapweed)	Yes				
	RICHLAND	Reduce the Canada Thistle in pulse crops	partially met. We are using different herbicides and application timings in combination with Cultivation to control these weeds	reduce the field bindweed in the edge of the field			
YELLOWSTONE	Eradication of Leafy Spurge infestations.	No.	Eradication of Canada Thistle infestations.	No.	Eradication of Field Bindweed infestations.	No.	



Noxious Weed Biennial Report for FY's 2018 & 2019

AgencyParam
UofM

University of Montana: ACRES , INFESTED ACRES and COST PER ACRE TREATED

AGENCY	AGENCY ACRES				INFESTED ACRES				% INFESTED				TREATED ACRES			% TREATED			\$ SPENT / ACRE TREATED		
	0K	2K	4K	6K	0K	1K	2K	3K	0%	20%	40%	60%	0	1,000	2,000	0%	50%	100%	\$0	\$50	\$100
UofM	4,430				2,202				49.71%				1,477			67.08%			\$85.44		
Grand Total	4,430				2,202				49.71%				1,477			67.08%			\$85.44		

ACRES TREATED & COST/ACRE PER CONTROL METHOD

AGENCY	CONTROL METHOD	TREATED ACRES										EXPENDITURES			
		0	200	400	600	800	1,000	1,200	1,400	1,600	\$0	\$50,000	\$100,000	\$150,000	
UofM	Bio-Control	500										\$2			
	Herbicide	896										\$117,345			
	Mechanical	53										\$3,951			
	Revegetation	28										\$4,900			
	Total	1,477										\$126,198			
Grand Total	1,477										\$126,198				

Agency Comment:

No comments were submitted

Agency/County Goals and Goals Met

AGENCY	COUNTY	GOAL_1	MET_GOAL_1	GOAL_2	MET_GOAL_2	GOAL_3	MET_GOAL_3
UofM	BEAVERHEAD	Null	Null				
	LAKE	supress noxious weeds	yes				
	MISSOULA	Reduce cover of noxious weeds.	yes.	Increase cover of desirable species.	probably.	Continue education efforts.	yest
	POWELL	Reduce Sulfur Cinquefoil.	Not enough reduction.	Reduce Spotted Knapweed.	No.	Reduce St. John's Wort.	No.
	RAVALLI	Null	Null				
	SILVER BOW	Null	Null				