NAME OF SPECIES: Sus scrofa

Synonyms: None

Common Name: Feral pig, wild pig, wild hog, wild boar, European wild boar, Russian wild boars, razorback

A. CURRENT STATUS AND DISTRIBUTION

I. In Wisconsin?	1. YES X NO
	2. Abundance: Small populations of feral pigs are found in several
	Wisconsin counties (1). Current estimate of Crawford County
	population is 50-100 animals and is probably the largest
	population in WI.
	3. Geographic Range: Feral pigs are found mainly in southwestern
	Wisconsin but are also found scattered throughout the state (1)
	4. <u>Habitat Invaded</u> : This species is found in a variety of habitats,
	but generally they need thick vegetation for cover and water.
	Disturbed Areas X Undisturbed Areas X
	5. <u>Historical Status and Rate of Spread in Wisconsin</u> : This species
	was illegally released into the state, most likely for sport hunting
	purposes. Feral pig numbers are increasing in the state. Currently
	established WI populations do not seem to be spreading rapidly.
	6. Proportion of potential range occupied: Species has the
	potential to occupy most of WI. They do not migrate (1, 2).
	7. <u>Survival and Reproduction</u> : This species numbers are increasing
	in WI. No information on specific survival rates or reproductive
	productivity of feral pigs in Wisconsin is available. Feral pigs are
	known to be reproducing in WI.
II. Invasive in Similar Climate	1. YES X NO
Zones	<u>Where (include trends)</u> : Feral pigs are found in many regions of
	the U.S. They are found in 23 states, mainly in the south (1). Feral
	pigs are a problem species wherever they occur outside their
	native range.
III. Invasive in Similar Habitat	1. Upland X Wetland X Dune 🗌 Prairie 🗌 Aquatic 🗌
Types	Forest X_Grassland 🗌 Bog 🗌 Fen 🗌 Swamp X
	Marsh 🗌 Lake 🗌 Stream X Other: They are found in most
	habitats, from uplands to riparian zones.
IV. Habitat Affected	1. Where does this invasive reside: Edge species Interior
	species 🗌 This species will resides anywhere it can find adequate
	food and cover.
	2. <u>Conservation significance of threatened habitats</u> : This species is
	known to impact wetlands because of wallowing behavior (1, 2,
	3,4,6,7, 8). They will also destroy uplands and forests through
	rooting behavior (1, 2, 3,4,6,7, 8).
V. Native Habitat	1. <u>List countries and native habitat types</u> : Feral pigs were originally
	found in Europe, Asia, North Africa, and British Isles (2). Native
	habitat consists of moist forests and shrub lands, especially oak
	forests and areas with reeds (2).
VI. Legal Classification	1. Listed by government entities? This species is classified by the
	WI DNR as an unprotected species. Listed as one of the world's
	100 worst invasive species (6).

	2. Illegal to sell? YES X NO
	Notes: It is illegal to own and operate captive feral pig hunting
	operations in the WI (4). Soon to be listed by DNR as harmful and
	injurious animal, which will prohibit possession.
B. ESTABLISHMENT POTENTIAL A	ND LIFE HISTORY TRAITS
I. Life History	1. <u>Type of Animal</u> : Mammal X Bird 🔃 Reptile 🗌
	Amphibian 🗌 Fish 🗌
	2. <u>Age of Maturity or time to self-sufficiency</u> : Feral pigs become
	self-sufficient around 7 months (2). Maturity is reached at 8-10
	months but most females do not breed until 18 months (2). One
	early estimate for age of maturity was at 6 months (1).
	3. <u>Gestation Period</u> : The average gestation period is 115 days, but
	ranges from 100 - 140 days (2).
	4. Mating System: Polygamous Delyandrous
	Monogamous 📋 Polygynous X
	Notes: Serial polygynous.
	5. Breeding/ Breeding period. Feral pigs can breed any time of
	the year (1). In northern temperate regions feral pigs tend to have
	2 inters averaging 4-8 pigiets (1). The size of the inter for pigiets
	vear (4)
	6 Hybridization potential: This species can form hybrids with
	almost any domestic pigs (4).
II. Climate	1. Climate restrictions: This species is limited by maximum snow
	depth (2). In warmer climate feral pigs need water, they will not be
	found further than 2 kilometers away from water (3). Do not seem
	to be limited by climate in WI.
	2. Effects of potential climate change: Since this species is limited
	by maximum snow depth, as climate warms and less snow falls, pig
	range may increase.
III. Dispersal Potential	1. <u>Pathways - Please check all that apply</u> :
	Unintentional: Rird 🗆 Animal 🗔 Vehicles/Human 🗔
	V'ind V' V' ater V' Other:
	Intentional: Ornamental 🗍 Forage/Frosion control 🗌
	Medicine/Food: Recreational X Other: Stocked/released
	by hunters (1).
	2 Distinguishing characteristics that aid in its survival and/or
	inhibit its control. Prolific intelligent and a big animal with few
	natural enemies.
IV. Ability to go Undetected	
C. DAMAGE POTENTIAL	
I. Competitive Ability	1. Presence of Natural Enemies: Few natural enemies - mountain
	lions, bobcats, bears, wolves, and humans (1, 2). These enemies,
	however, do not have much of an impact on the feral pig
	populations (1).
	2. <u>Competition with native species</u> : This species can out-compete
	the peccary (2). This species is known to compete with white-tailed

	deer and black bears, because feral pigs eat many of the same food
	items as these native species (1, 4, 8). Declines in quail, turkey and
	other ground nesting bird populations associated with feral pigs in
	other states (1, 4). One study concluded that feral pigs could have
	detrimental effects on the nesting success of bobwhite quail (5).
	This species is a better competitor than turkey and whitetail deer
	because feral pigs have a great sense of smell, and hunt by smell
	(8). Feral pigs can more effectively deplete an area of food than
	deer and turkeys (8). This species is also is an effective predator
	and is known to consume reptiles, amphibians, bird eggs, and
	fawns (4).
	2. Rate of Spread:
	-changes in relative dominance over time:
	-change in acreage over time:
	HIGH(1-3 yrs) X MEDIUM (4-6 yrs) 📋 LOW (7-10 yrs) 📋
	Notes: Because feral pigs have a high reproductive rate and very
	few predators, they can spread rapidly.
II. Environmental Effects	1. <u>Alteration of ecosystem/community composition?</u>
	YES X NO
	Notes: This speceis causes damages to senstive habitats because of
	their rooting and wallowing behavoir (1, 2, 3, 4, 6, 7, 8). Their
	rooting behavior may change plant compostion and allow for
	weedy or invasive plants to spread (4, 8). Feral pigs also can
	reduce regeneration of tree seedlings (4). This species can effect
	community succession (6). This species can devastate ecologically
	sensitive native habitats, particularly native plants and rare,
	threatened, or endangered species (4). Rooting can upset climax
	(mature) communities (8).
	2. <u>Alteration of ecosystem/community structure?</u>
	YES X NO
	Notes: This species causes damage to sensitive habitats because
	of their rooting and wallowing behavior (1, 2, 3, 4, 6, 7, 8). The
	rooting behavior can change plant composition and allow for
	weedy or invasive plants to spread (4, 8). Feral pigs also can
	reduce regeneration of tree seedlings (4). This species can effect
	community succession (6). This species can destroy and eliminate
	valuable habitats, threatening the needs of endangered species(7).
	Rooting can upsets climax (mature) communities (8).
	3. Alteration of ecosystem/community functions and processes?
	YES X NO
	Notes: Feral pigs can alter soil structure, and by wallowing, affect
	ponds and wetlands by muddying the water, creating algae
	blooms, destroving aquatic vegetation, and lowering overall water
	quality (4). This species can disrupt ecological processes such as
	succession and alter climax communities (6, 8).
	4. Exhibit Parasitism? YES NO X
	Notes:
D. SOCIO-ECONOMIC EFFECTS	
1 Positive aspects of the species	Notes: This species can be used as a food source for sport
to the economy/society:	hunting, and even as pets (2).

II. Potential Socio-Economic	Notes: Some money maybe lost to hunting revenue. Few negative
Effects of Requiring Controls:	aspects of controllig pigs other than the cost to do so.
Positive:	
Negative:	Feral pigs are known to carry a variety of diseasess that effect
	human and livestock (1.2.3). They are also known as agricultural
	pests because they can eat anything and their rooting habits rip up
	land They have also been known to attack people (9). All of the
	above could be reduced or eliminated if the pig population is
	controlled
III. Direct and Indirect Secie	Neter, This animal can damage agricultural grops and pastures
III. Direct and indirect socio-	Notes. This animal can damage agricultural crops and pastures,
Economic Ellects of the Animal .	gon courses, cemetanes, minitary instanations, vinyards, ornamental
	plantings, tree plantations, fences, and facilities resulting in
	financial losses(1, 7). Their benaviors can also impact water quality
	(4).
IV. Increased Costs to Sectors	Notes: Agricultural, forestry, health
Caused by the Animal:	
V. Effects on Human Health:	Notes: Feral pigs can transmit numerous diseases to humans (1,2,
	3) and have been known to attack people (9).
VI. Potential Socio-Economic	Positive: Reduction of a disease carrying agents, reduction of an
Effects of Restricting Use:	agricultural pest, and reduction of a forestry pest by restricting use.
	Negative: none
E. CONTROL AND PREVENTION	
I. Costs of Prevention (please be	Notes: Long-term population control is very expensive (10).
as specific as possible):	Exclusion fencing is expensive and requires continual
	maintenance. Public hunting of pigs is appealing because of low
	cost. Aerial gunning in Texas costs \$300 or more/hour (14).
II. Responsiveness to Prevention	Notes: Once feral pigs become established in an area it is difficult
Efforts:	to remove all of them (14). High density populations serve as a
	source for repopulation. Feral pigs tend to avoid areas of human
	activity.
III. Effective Control Tactics:	Mechanical X Biological X Chemical X
	Times and uses: Modifying habitat, exclusion fencing, and
	changing animal husbandry practices may be effective in small
	areas (14) Some literature suggests poisoning is the most
	responsive and effective control method (11) There are no
	toxicants repellents fertility agents or biological control agents
	currently registered in the US for feral pigs. Hunting may be
	offective if combined with other proventive projects (12, 12). Aerial
	ellective il combined with other preventive aspects (12, 15). Aerial
	gunning has been used enectively in Texas (14). Trapping and
	shares are most effective in areas with high densities in the spring
	and summer while hunting and snares are more effective in the fall
	and winter (13). This species is crepuscular and nocturnal, so the
	best times to apply control techniques is around dusk, dawn, and
	night (2).
IV. Minimum Effort:	Notes: Poisoning requires little effort but many other problems
	may result. Hunting and trapping seasons may help, but
	recreational hunting alone is seldom effective (11). Snares are
	relatively inexpensive and require little installation equipment or
	maintenance (14).
V. Costs of Control:	Notes: It is very expensive to control feral pigs. It usually takes
	many hours to trap/snare/shoot pigs and is typically an ongoing

	operation. Poisons are more cost-effective but can have
	unintended results.
VI. Cost of Prevention or Control	Notes: Because feral pigs compete with many native animals, are
vs. Cost of allowing invasion to	very destructive, and can alter ecosystems, they need to be
occur:	controlled. Once feral pigs become established in an area it is
	difficult to remove all of them (14). It is important to promptly
	initiate control methods before pig populations and damage levels
	reach unmanageable levels.
VII. Non-Target Effects of	Notes: If poisoning occurs other animals can ingest the poison
Control:	directly, or animals that scavenge on dead pigs could ingest the
	poison secondhand.
VIII. Efficacy of monitoring:	Notes: Monitor signs of tracks, scat, rooting and wallows, damage
	complaints, and public sightings.
IX. Legal and landowner issues:	Notes: Some landowners want this species around to generate
_	enjoyment and revenue from pig hunting. Pigs not allowed to be
	hunted within enclosures in WI. Species to be classified by DNR as
	harmful and injurious, prohibiting possession.

F. REFERENCES :

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