

TABLE 1.
ECONOMIC IMPACT OF MINOR ANIMAL SPECIES BY STATE AS OF 2013

INDUSTRY	LEADING STATES	US FARM GATE VALUE [\$M]	US ECONOMIC IMPACT [\$M]
Game Bird	TX, NC, PA, KS, WI, NY, IL, SD, FL, MN, IA, GA, MS, IN & AL.	\$897	\$5,401
Rabbits	CA, GA, OH, PA, & TX	\$21.6	\$898
Honey Bees	ND, CA, SD, FL, MT, MN, TX, & WI.	\$166	\$17,284
Cervid	TX, PA, OH, FL, LA, IA, & KS	\$966 (farming) \$817 (hunting)	\$3,241
Meat Goats	TX, TN, CA, GA, OK, NC, KY, MO, FL, & AL	\$187 \$205 (breeding)	\$1,123
Dairy Goats	TX, OH, NY, PA, WI, WA, IN, CA, MD, MN, MI, FL, & KS.	\$63.0 \$16.0 (export)	\$474
Sheep	TX, CA, WY & CO	\$810	\$4,861
Catfish/Aquaculture	Catfish MS, AK, AL, & LA Trout WA, WI, PA, ID, NC, OR, NY, CA, & CO	Catfish \$518 Trout \$94.6	\$3,111 \$172
Total =		\$4,761	\$36,564

Table 2. Animal Drug Approvals and Current NRSP-7 Activity by Species

INDUSTRY	ACTIVITY	
	APPROVALS (PMF#)	ACTIVE PROJECTS (INAD#)
Game Bird	<p>Chukar partridges Sulfadimethoxine/Ormetoprim (005-157) Lasalocid (005-429)</p> <p>Pheasants Amprolium (003-887) Thiabendazole (003-857)</p> <p>Quail Salinomycin (005-020) 2 NADA Bacitracin (005-178) Monensin (005-014) 2 NADA</p>	<p>Pheasants Lasalocid (I-009096) Fenbendazole (I-010062)</p>
Rabbits	Lasalocid (005-042)	
Foxes	Ivermectin (005-307)	
Honey Bees	Tylosin (005-783) 3 NADA Lincomycin (005-988)	
Cervid	<p>Bison Ivermectin (005-059) 4 ANADA</p> <p>Reindeer Ivermectin (003-895) 4 NADA</p>	
Beef Cattle		Ivermectin (I-012056)
Meat Goats	Ivermectin (003-883) Levamisole HCl (005-117) Albendazole (005-582) Ceftiofur sodium (005-671) Fenbendazole (005-118) Monensin (005-055) Decoquinatate (005-012) Morantel tartrate (005-366)	CIDR (progesterone) (I-011389) Tulathromycin (I-011512)
Dairy Goats	Ivermectin (003-883) Levamisole HCl (005-117) Ceftiofur sodium (005-671) Fenbendazole (005-118) Monensin (005-055) Decoquinatate 005-012) Morantel tartrate (005-366)	CIDR (progesterone) (I-011389) Tulathromycin (I-011512)
Sheep	<p>Bighorn Sheep Fenbendazole (005-071)</p> <p>Sheep Decoquinatate (005-258) Ceftiofur (005-544) Tilmicosin phosphate (005-673) CIDR (progesterone) (141-302)</p>	<p>Sheep Florfenicol (I-011836) Tulathromycin (I-011513)</p>
Catfish/Aquaculture†	<p>Catfish Sulfadimethoxine/Ormetoprim (005-056)</p> <p>Finfish Formalin (005-228) 9 NADA Oxytetracycline (005-667) 4 NADA Hydrogen peroxide (005-639) Florfenicol (005-932)</p> <p>Lobster Oxytetracycline (005-028)</p> <p>Shrimp Formalin (005-228)</p>	<p>Fish Erythromycin (I-006013) Strontium chloride (I-010536)</p>

†Approvals resulted in an additional 16 label claims for these aquatic species. <http://www.fda.gov/AnimalVeterinary/DevelopmentApprovalProcess/MinorUseMinorSpecies/ucm279396.htm>

Table 3. Minor Use Animal Drug Program Total Funding 2009-2013 by Source

Source	Cash	In-Kind
Hatch Funding	\$ 950,268	
NIFA/USDA	\$ 858,000	
FDA/CVM(1)	\$ 190,396	\$ 1,625,000
Bionexus(2)		\$ 370,000
CIDR Goat Efficacy(3)		\$ 798,000
Pheasant Fenbendazole(4)		\$ 850,000
Ivermectin Cattle Fever Tick(5)		\$ 4,050,000
Merck (Feed Analyses)		\$ 1,000
Alpharma (Feed Analyses)		\$ 2,000
Pfizer (Feed Analyses & Ultrasound)		\$ 11,000
	Total = \$ 1,998,664	\$ 7,707,000
	Outside Cash = \$ 1,048,396	
	Program Total (Cash + In Kind) = \$ 9,705,664	
	Outside Cash)/Hatch = 1.10	Hatch Funds = 48% Cash
	Outside (Cash+In Kind)/Hatch = 9.21	Hatch Funds = 10% total expenses

(1) Cash includes three MUMS grants and in-kind support includes 1.6 FTE assigned to the Program

(2) National Coordinator's salary returned to the program and office overhead

(3) Producers housing of goats during study

(4) Cost to McFarland Farms for reproductive safety study

(5) Producers' cost for housing cattle

Figure 1.
Flow Chart Outlining The Process For Selection Of Drugs For Testing In The NRSP-7 Minor Use Animal Drug Program

