

Part 1 – Agency Profile

Agency Overview

The W-I (Washington-Idaho) Veterinary Medicine Program is administered in Idaho by the Head of the Department of Animal and Veterinary Science, College of Agricultural and Life Sciences, University of Idaho. Originally established in 1974, the W-I Program annually provides 44 Idaho residents with access to a veterinary medical education through a cooperative agreement between the University of Idaho and Washington State University. The Doctor of Veterinary Medicine (DVM) degree is awarded to Idaho students by Washington State University College of Veterinary Medicine. Idaho provides the cooperative program with the majority of veterinary students who have an expressed interest in production agriculture animals.

Core Functions/Idaho Code

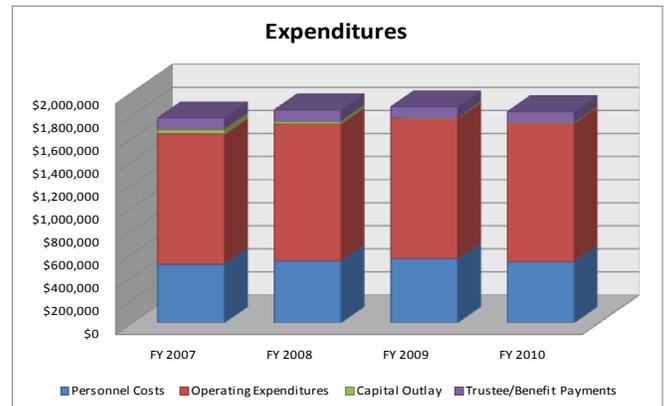
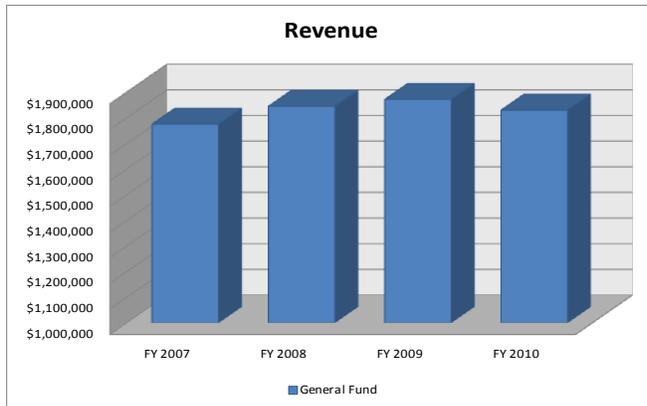
The University of Idaho provides educational opportunities for any senior student in the Washington State University College of Veterinary Medicine by providing the equivalent of 65, one-month teaching rotations in food animal production and clinical medicine at the Caine Veterinary Teaching Center (CVTC) in Caldwell. Faculty members at the Caine Center continuously interact with Idaho veterinarians and livestock producers providing education and recommendations concerning animal production, diagnosis and clinical evaluation of disease situations.

1. Provide access to veterinary medical education at WSU for Idaho residents – the current W-I contract reserves 11 seats per year for Idaho veterinary medicine students. A total of 44 Idaho students are enrolled in this program each year.
2. Assist Idaho in meeting its needs for veterinarians – provide Idaho-trained, Idaho-resident graduate veterinarians to meet annual employment demands for the State. On average, 65-75% of new Idaho resident graduates of the WI Program are licensed to practice veterinary medicine in Idaho annually.
3. Provide hands-on instruction opportunities for senior veterinary students –teaching rotations in food animal production medicine and clinical experience are offered year-round at the Caine Center in Caldwell.
4. Provide access to referrals from Idaho veterinarians in the areas of food animal production, diagnosis, and clinical evaluation of diseases – a) accept 400 to 500 hospital clinical referrals annually as student teaching cases; b) provide disease diagnostic testing on approximately 15,000 diagnostic samples annually, and; c) conduct on-farm disease investigations for herd problems as requested by Idaho veterinarians and livestock producers.

Washington-Idaho Veterinary Medicine Program

Revenue and Expenditures:

Revenue	FY 2008	FY 2009	FY 2010	FY 2011
General Fund	\$ 1,843,700	\$ 1,870,700	\$ 1,828,900	\$ 1,822,500
Total	\$ 1,843,700	\$ 1,870,700	\$ 1,828,900	\$ 1,822,500
Expenditure	FY 2008	FY 2009	FY 2010	FY 2011
Personnel Costs	\$ 536,300	\$ 555,400	\$ 528,000	\$ 519,100
Operating Expenditures	1,187,400	1,215,300	1,200,900	1,203,400
Capital Outlay	20,000	0	0	0
Trustee/Benefit Payments	100,000	100,000	100,000	100,000
Total	\$ 1,843,700	\$ 1,870,700	\$ 1,828,900	\$ 1,822,500



Profile of Cases Managed and/or Key Services Provided

Cases Managed and/or Key Services Provided	FY 2008	FY 2009	FY 2010	FY 2011
Number of Idaho Resident Students Enrolled Each Year	44	44	44	44
Number of One-Month Student Rotations (or equivalent) offered at the Caine Center Per Year	65	65	65	65
Number of Accepted Clinical Hospital Referral Cases	558	462	398	418
Number of Accepted Veterinary Diagnostic Samples	25,574	25,330	22,093	18,341

Performance Highlights:

1) Teaching and learning at the Caine Center primarily consists of intensive, participatory clinical experiences. Faculty at the Center instruct senior-year veterinary students in production animal/food animal medicine and management. Students participate in clinical experiences through hospital in/out-patient clinical care, field call services, disease investigations as well as limited formal presentations by Faculty. Students electing the cow-calf, feedlot, calving and lambing blocks spend the majority of their rotations at on-site/ranch participating in the management of those operations with direct supervision of a Caine Center clinician.

2) FY2011 Grants and Contracts include \$68,672 in funding for the 4th year of the Northwest Bovine Veterinary Experience Program (NW-BVEP). The primary objective of this program is to use an aggressive mentoring program to increase the number of food supply veterinarians graduating from veterinary school and practicing in Idaho. This funding supported stipends for 14 students participating in the program during the summer 2011.

3) FY2011 Grants/Contracts include \$100,000 for a cooperative project with the Idaho Department of Fish and Game entitled Etiology and Epidemiology of pneumonia in bighorn sheep, now in its sixth year. Topics of investigation under this project umbrella include Pasteurella and Mycoplasma species.

- A new type strain of Pasteurella was identified through work at the Caine Center. *Mannheimia acswardii*, was named in honor of Dr. Alton Ward's many contributions. We are currently preparing to submit the type strain to the International Pasteurellaceae Committee for analysis.
- Preliminary research results indicate that most Mycoplasma species isolated from wild sheep may be *M. arginini*, although we have found various *M. ovipneumoniae*. Several significant observations regarding growth of the organisms have been made, and we have a manuscript in

review. Our objective is to incorporate test procedures which will be successful, sensitive and specific for the detection of *Mycoplasma* spp. present in samples collected from bighorn sheep.

4) Another project was initiated last year with combined funding of approximately \$87,000 from UI and USDA/ARS sources. This project is the largest survey study with domestic sheep pathogens conducted anywhere to date. We followed the bacterial shedding characteristics of 125 sheep at the U. S. Sheep Experiment Station (USSES) at Dubois, Idaho over a two-year period. Analysis indicated that individual sheep do indeed shed Pasteurellaceae potential pathogens at different rates.

The results of this project stimulated research collaboration with USDA/ARS and the University of Idaho. A five-year, \$150,000 project has been initiated to study the genetics of the sheep with regard to shedding of pathogens. This is important in various ways:

- Respiratory disease in sheep and other domestic ruminants is costly worldwide. The results of the first two years of this study indicate a genetic basis for the presence and shedding of respiratory pathogens. If the genetic systems can be used to produce breeds of sheep that harbor fewer pathogens, the disease incidence may be reduced.
- Respiratory disease in wild sheep and other wild ruminants is a severe hindrance to successful wildlife management and sustainability. In Idaho and other western states, domestic sheep are thought to be a reservoir for pathogens that cause disease in wild sheep. By breeding domestic sheep that shed fewer respiratory pathogens the proposed threat to wild sheep will be reduced. If this accomplishment is made, economic benefits may be realized if domestic grazing restrictions can be relaxed on public land.

5) Teaching and learning have also been an integral part of the wildlife/domestic disease research conducted at the Caine Center. Approximately 12 college seniors have completed research projects within the overall project in the last 13 years. All of these outstanding students but one has gone on to graduate (MS, PhD) or professional schools (MD, DVM, PA).

6) During FY 2011, the Faculty at the Caine Center continued efforts in applied research, in conjunction with veterinary teaching and outreach activities.

- Ongoing research in the management of Johne's disease in sheep and goats allowed for student interaction with three of four cooperative flocks and herds.
- Applied research in bovine reproduction is also being conducted at the Caine Center. An abstract/poster describing an innovative approach to the use of embryo transfer on dairies was presented to an international audience of veterinarians and veterinary research scientists in November 2010 at the "XXVI World Buiatrics Congress 2010" in Santiago, Chile.

Part II – Performance Measures

Performance Measure	FY 2008	FY 2009	FY 2010	FY 2011	Benchmark
1. Senior Veterinary Students Selecting Elective Rotations at the Caine Center.	41	62	80	54	40
2. Number/Percentage of Idaho Resident New Graduates Licensed to Practice Veterinary Medicine in Idaho.	8 Students (73%)	4 Students (36%)	7 Students (64%)	7 Students (64%)	7 students (65%)
3. Number of Disease Investigations Conducted by WI Faculty Members.	132	193	228	279	150
4. Number/Dollar Amount of Grants/Contracts by WI Faculty Members.	7 / \$330,317	10 / \$240,273	10 / \$303,350	9 / \$358,651	7 / \$300,000

Performance Measure Notes:

The Caine Center continues to be a very popular block with senior veterinary students and receives consistently high student evaluations. Demand for diagnostic services and field service activities also remains constant. The loss of one faculty position (due to retirement) at the beginning of FY2011 has resulted in the remaining faculty having to handle a much heavier teaching and service/outreach load in order to maintain those resources. At this time, that position remains vacant, but every effort will be made in coming months to secure funding to restore that position in support of the teaching and outreach activities.

Also, two long-time staff members retired during the first quarter of FY11 leaving both positions vacant for several months. This turnover impacted laboratory services as well as teaching and field disease investigation support for the faculty. Both positions have now been filled, and training continues for these employees to support the teaching, research and service activities.

For More Information Contact

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