

## NORTH WEST CAMELID FOUNDATION RESEARCH INVESTMENT HISTORY

Year	Amount	Note	Entity	Study	
1987	\$1,000	1	OSU	Unrestricted	
1988	\$700	1	OSU	Dr. Leone Thesis-Hormonal Changes-Spring Clinic profit \$705	
1989	\$12,000		OSU	1st Banquet-Spring Clinic profit \$1,350, Llama Games \$495	
1990	\$8,500		OSU	Herd maintenance	
	\$8,100		OSU	Uterine Torsion	
1991	\$12,314		OSU	Unrestricted	
1992	\$16,000		OSU	Pharmakokinetics	
	\$6,332		OSU	Herd maintenance	
1993	\$8,000		OSU	Herd maintenance	
	\$6,670		OSU	Vitamin D Deficiency	
	\$2,750		OSU	Serum Estrone Sulfate	
	\$2,580		OSU	Virus Disease	
1994	\$6,000		OSU	Herd maintenance	94-004
	\$1,000		OSU	Liver vasculature function	94-005
	\$1,500		OSU	Comparative Antibiotics	94-003
	\$3,600		OSU	Bile Acids	94-001
	\$6,000		MAF/OSU	Choanal Atresia	
1995	\$4,983		OSU	Seasonality of CA, PH and Vitamin D	95-006
	\$5,460		OSU	Herd maintenance-Spring Clinic Profit \$460	95-002
	\$3,055		OSU	Tooth Anatomy	95-005
	\$2,000		MAF	Unrestricted	
	\$3,134		OSU	Vitamin D Supplementation Dosage	95-004
1996	\$3,100		OSU	Herd maintenance	
	\$3,200		OSU	Vascular Anatomy of Mandibular Teeth	96-007
	\$4,956		OSU	Vitamin D Toxicity	96-008
	\$6,769		MAF/OSU	Antibiotic Metabolism	96LA-04
	\$5,840		MAF/OSU	Management of Third Compartment Ulcers	96LA-05
	\$3,377		MAF/OSU	Fecal Steroids for Pregnancy Diagnosis	96LA-06
1997	\$9,550	2	OSU	Herd maintenance-Spring Clinic Profit \$2,000	
	\$10,600		MAF/OSU	Uterine Bacterial Populations	LA97-08
	\$8,300		MAF/OSU	Oral Vitamin D Supplementation	LA97-09
	\$3,250		OSU	Embronic Mortality	97-003
	\$2,915		OSU	Bone Density/Vitamin D & Bone Fractures	97-004
1998	\$7,600		OSU	Herd maintenance-Spring Clinic Profit \$3,500	98-007
	\$4,000	3	OSU	Trace Mineral Status of Fetus	98-008
	\$4,497		OSU	Establishing Trace Mineral Requirements	98-004
	\$1,240		OSU	Ultrasonic Appearance of Gastrointestinal Organs	98-002
	\$5,250		OSU	Causes of Cria Diarrhea	98-003
1999	\$8,500		OSU	Herd maintenance-Spring Clinic Profit \$3,600	99-004
	\$3,009		OSU	Effects of Feed Restrictions on Insulin	99-008
	\$2,150		OSU	Role of Bile Acids in Ulcers	99-001
	\$5,778		OSU	Geriatric Females-A Baseline Study	99-006

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	\$4,350		OSU	Radiographic Study of Cheek Teeth	99-005
2000	\$5,995		OSU	Herd maintenance-Spring Clinic Profit \$1,665	00-004
	-\$4,497		OSU	Refund-Establishing Trace Mineral Requirments	98-004
	\$9,642		OSU	Insulin Secretion and Glucose Clearance	00-002
2001	\$8,330	4	OSU	Herd maintenance	
	\$7,932		OSU	Feed Restriction of Glucose Clearance	01-003
	\$12,420		OSU	Further Investigation-Hepatic Lipidosis	01-005
2002	\$4,000	5	OSU	Herd maintenance	
	\$340		OSU	SW Washington Post Mortem Blood Work	
	\$6,565		OSU	Efficacy of Florfenicol in Clearing M. Haemolamae	02-001
	\$3,600	5	OSU	West Nile Virus Vaccination & Seroconversion	02-003
2003	-\$2,782		OSU	Refund-Bone Density/Vitamin D & Bone Fractures	97-003
	\$7,515		MAF/OSU	Glucose Tolerance, Insulin Sensitivity in Crias	D03LA-11
	\$2,800		OSU	Herd maintenance	
2004	\$1,500		OSU	Anatomic Communication of Carpus, Tarsus, etc	04-001
	\$2,250	5	OSU	Ex Copula Semen Collection & Cryopreservation	04-002
	\$10,942	6	OSU	Efficacy of Enrofloxacin in Clearing M. Haemolamae	04-005
2005	\$5,000		OSU	Herd maintenance	
	\$17,570	5	OSU	Comparison of Fecal Sample Detection Techniques	05-001
	\$7,878		OSU	Analysis of Peritoneal Fluid	05-002
	\$7,500		OSU	Analysis of Pastern Breakdown	05-003
	\$1,530		OSU	Breaking Pressures in Intestine Closures	05-004
2006	\$5,000		OSU	Herd maintenance	
	\$9,500	5	OSU	Analysis of Pastern Breakdown-Part 2	06-001
	\$4,010		OSU	Immune Response to M. Haemolamae	06-003
	\$2,500		OSU	Ultrasonography of Testicular Blood Flow	06-004
	\$7,650		OSU	Response to Human Granulocyte by White Blood Cells	06-005
	\$3,000		MAF/OSU	Method to Assess Insulin Sensitivity	DO6LA-302
2007	\$10,260		OSU	Pastern Laxity in Juvenile Llamas	06-002
	\$5,000		OSU	Herd Maintenance	
	\$6,908	5, 7	OSU	ELISA Test for Early Detection of E. Mac	07-001
	\$5,355	8	OSU	Use of Artemisin to Treat M. Haemolamae	07-002
	\$7,195	9	OSU	Effect of Hetastarch Supplements	07-003
2008	-\$131		OSU	Refund-Comparison of Fecal Samples & Peritoneal Fluids	05-001/002
	\$5,000		OSU	Herd maintenance	
	-\$185		OSU	Refund-Immune Response to M. Haemolamae	06-003
	\$4,710		MAF/OSU	Effects of Plasma & Hetastarch on Alpacas	DO8LA-302
	\$3,000		MAF/OSU	Arginine Stimulation Testing	DO7LA-006
	\$5,142	5	OSU	Pharmacokinetics of EXCEDE	08-002
	\$5,060	10	OSU	Epidemilogic Investigation of M. Haemolamae	08-003
2009	\$5,000		OSU	Herd maintenance	
	\$3,456	11	OSU	Retrospective Analysis of Anemia	09-002
	\$12,862		OSU	Protocol and Tomography Evaluation of Abdomen	09-004

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	\$17,500	13	OSU	Pastern Breakdown: Serum Mineral Levels/Assays	09-005
2010	-\$334		OSU	Refund-ELISA Test for Early Detection of E. Mac	07-001
	-\$1,697		OSU	Refund-Analysis of Pastern Breakdown-Part 2	06-001
	\$8,592		OSU	Blood Glucagon Peptide-1 Concentrations	10-001
	\$3,240		OSU	Development of Real-time PCR Assay for Diarrhea	10-003
	\$5,000		OSU	Herd maintenance	
2011	\$6,900	12	OSU	Glucagon Like Peptide-1 Dosing	10-004
	\$5,000		OSU	Herd maintenance	
	\$6,050		WSU	Alkaline Phosphate Concentration in Alpaca Seminal Fluid	11-003
	\$14,580		OSU	Evaluation of Complex Cardiac Abnormalities using CT	11-004
	\$1,750		OSU	Abortions & Stillbirths & contribution of Placental Insufficiency	11-005
	\$3,825	14	OSU	Pathology of Megaesophagus in Alpacas and Llamas	11-006
	-\$2,688		OSU	Refund Pastern Laxaity in Juvenile Llamas	06-002
2012	\$5,000		OSU	Herd Maintenance	
	\$8,600		OSU	Pharmacokinetics of subcutaneous gamithromycin in alpacas	12-002
	\$5,000		OSU	Effects of mother's milk on glucose tolerance in crias	12-003
	-\$2,186		OSU	Blood Glucagon Peptide-1 Concentrations	10-001
2013	\$5,000		OSU	Herd Maintenance	
	\$3,600		OSU	GLDH as an indicator of hepatic disease	12-002
	\$548,963				
<b>Footnotes:</b>	1			<i>\$.50 per bag rebate on llama pellet sales by Stayton Feed</i>	
	2			<i>COLA &amp; SWWLA \$2,350</i>	
	3			<i>individual Donor \$529</i>	
	4			<i>SWWLA \$250</i>	
	5			<i>SWWLA \$500</i>	
	6			<i>Individual Donor \$375</i>	
	7			<i>WABA \$3,454</i>	
	8			<i>Quality Llama Products \$850, WABA \$2,677.50</i>	
	9			<i>WABA \$3,587.50</i>	
	10			<i>Quality Llama Products \$1,500</i>	
	11			<i>Individual Donor \$1,728</i>	
	12			<i>Alpaca Research Foundation \$3,900</i>	
	13			<i>Individual donor \$615</i>	
	14			<i>Individual donor \$3,825</i>	
	\$ 6,050		WSU	Project funded at Washington State 2011	
	\$ 61,111		MAF	OSU Projects funded through Morris Animal Foundation	
	\$ 481,802		OSU	Funded directly to OSU	
	<i>updated</i>				<i>11/14/13</i>