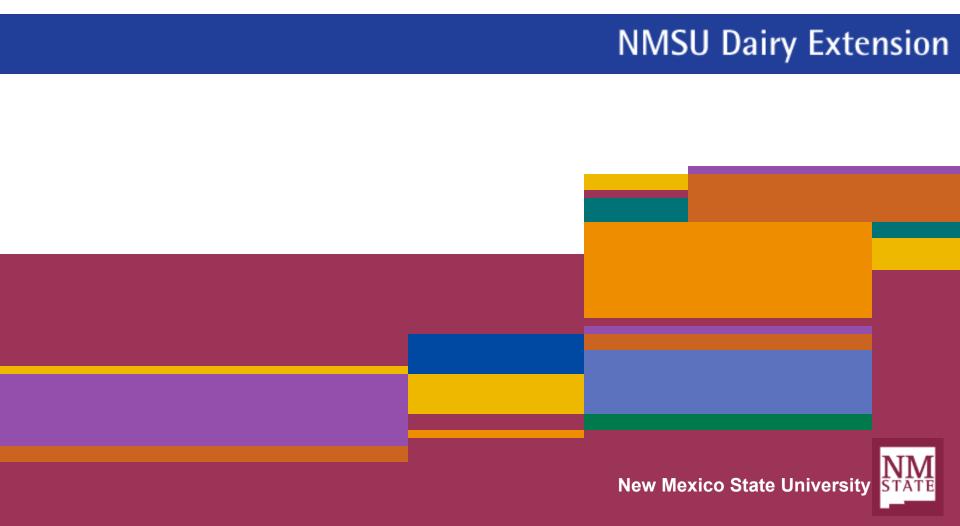
NMSU Dairy Extension

Victor E. Cabrera Extension Dairy Specialist



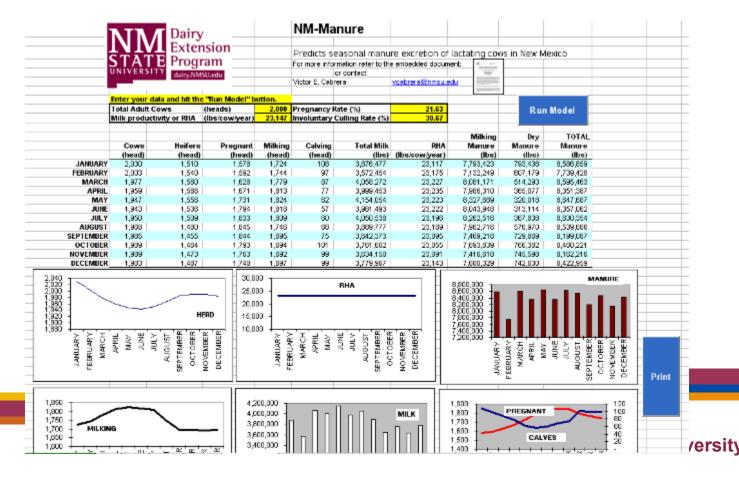
Grazing-N

Grazing-N: A Nitrogen Balance Model for Grazing Dairy Heifers and Dry Cows in New Mexico. NMSU Cooperative Extension Service Publication. Las Cruces, NM. <u>Circular 611</u>. <u>Guide D-209</u>. <u>Software</u>. November WDN. Available at: http://dairy.nmsu.edu: Tools

Dairy				Field #		Permit #		Repo	ort Per	iod	10/1/2006	to	4/1/2007
Weight	DMI	OMI CP intake N intake N excretion N remain Net Balance					Carrying Capacity (CC)	Grazing Management				180	days
(lbs)	(lbs/day/animal)						animals/acre	Animals Days Acres N Supplem			N Supplement	nt N removal	Exceed
	ADG (lbs) %CP Grass				% Volat.		DM	(#)	(#)		(lbs/day/animal)	lbs/acre	CC?
	1.98 -	26.5			50 -		(tn/ac/month)						
Heifers							0.75 -					Meaning 1	
Unbred													
330	9.89	2.62	0.42	0.10	0.05	-0.37	5.1	100	170	100		-62.59	NO
440	12.36	3.28	0.52	0.14	0.07	-0.46	4.0						
550	14.68	3.89	0.62	0.17	0.09	-0.54	3.4	10	5	1		-26.87	YES
660	16.89	4.47	0.72	0.20	0.10	-0.61	3.0						
770	18.99	5.03	0.81	0.24	0.12	-0.69	2.6						
880	21.02	5.57	0.89	0.27	0.14	-0.75	2.4						
Bred													
990	22.99	6.09	0.97	0.31	0.15	-0.82	2.2						
1100	24.90	6.60	1.06	0.34	0.17	-0.89	2.0						
1200	26.76	7.09	1.13	0.37	0.19	-0.95	1.9						
1320	28.59	7.58	1.21	0.41	0.20	-1.01	1.7						
1430	30.37	8.05	1.29	0.44	0.22	-1.07	1.6	40	95	10		-405.07	YES
Dry													
-	%BW												
	1.8												
1600	28.80	7.63	0.72	0.58	0.29	-0.43	1.7	300	120	200	0.5	-77.96	NO
											Total	-572.49	
												0.0.10	PRINT

NM-Manure

NM-Manure: a seasonal prediction model of manure excretion for lactating dairy cows in New Mexico. <u>ASABE</u> Annual Meeting. NMSU-Bulletin (in prep). <u>The Professional Animal Scientist</u> (in review). NMSU-VPR Grant Proposal

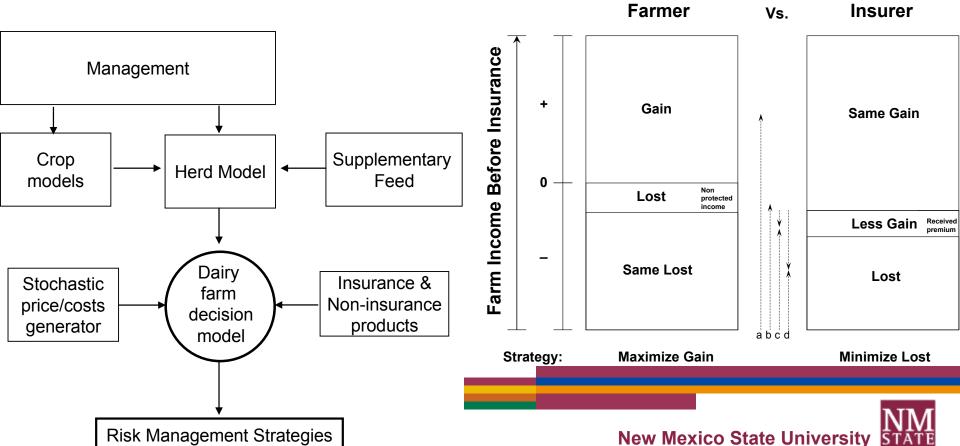




Risk Assessment

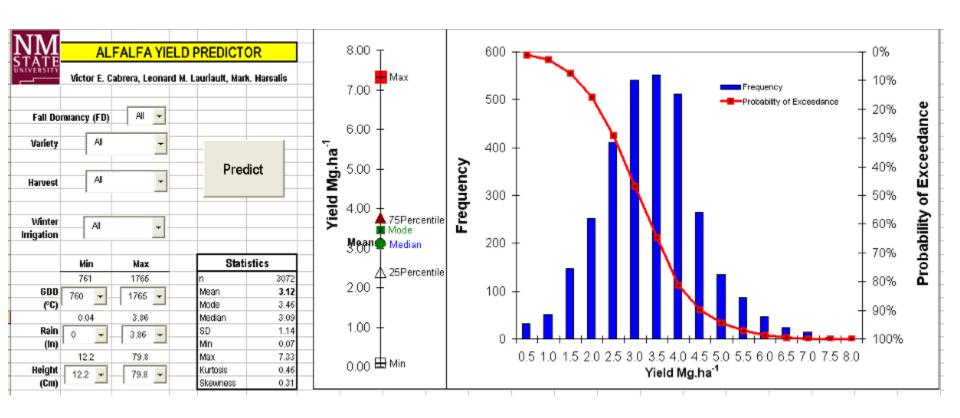
Optimal crop-insurance strategies under climate variability: Contrasting insurer and farmer interests. <u>AAEA</u> Annual Meeting. <u>Jansactions of the ASABE</u>. (submitted).

RMA-USDA Grant Proposal



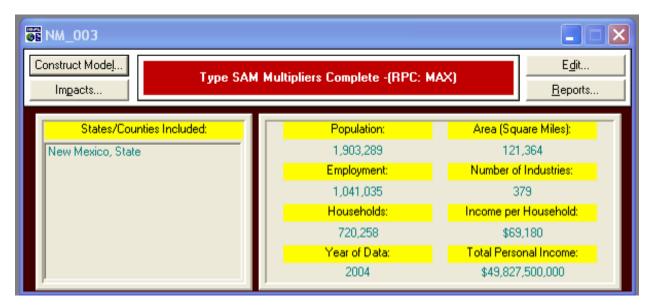
Alfalfa Yield Prediction

Prediction of alfalfa yield in New Mexico. <u>Circular</u>. <u>Guide</u>. <u>Software</u>. <u>J Paper</u> (in prep).



Economic Impact

Importance of the New Mexico dairy industry. NMSU Cooperative Extension Service Publication. Las Cruces, NM. <u>Circular 613</u>, <u>PR</u>, <u>Brochures</u>, <u>Bullet Lists</u>, <u>J Dairy Science Paper</u> (in prep), <u>Texas</u>. Available at: http://dairy.nmsu.edu: Publications

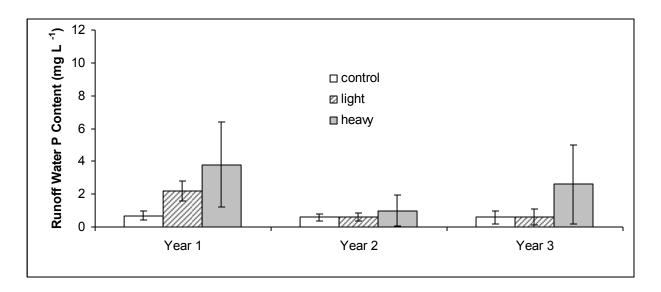


IMpact analysis for PLANning data and analyses



Biosolids Utilization

Soil and runoff response to dairy manure application on New Mexico rangeland. <u>Journal of Soil and Water Conservation</u>. (in prep).



Phosphorus content of runoff water from rangeland after treatment with one-time application of dairy biosolids. Errors bars are ±1 SD.



NMSU Dairy Program Webpage



New Mexico State University



NMSU Dairy Extension
College of Agriculture and Home Economics

You are here: N MMSU IX College of Agriculture and Home Economics: D CES IX Dairy

Welcome to dairy.NMSU.edu





MISSION - Provide information, technology and sound science to the dairy industry in New Mexico.

Goal - Ensure long term sustainability of the dairy industry in New Mexico.

Importance of the New Mexico Dairy Industry

\$2.6 billion 1st in New Mexico Agriculture Overall Economic Impact to the New Mexico Economy Direct Economic Impact to the New Mexico Economy \$1.02 billion 1st in New Mexico Agriculture I III NEW MEXICO AGRICUITURE wonetary contribution to New Wexico Agriculture Proportion of the New Mexico GDP 10th in New Mexico 3.92% Direct Employment Generation in New Mexico 4,221 jobs \$386 Million Paid in Salaries Jobs in 354 Industries Overall Employment Generation in New Mexico 17,150 jobs Number of Cows per Dairy 2,088 cows/dairy 1th in the USA 2nd in the Southwest Contribution to the Southwest Milk Production 13% Growth in the past 10 years 3rd in the US 104% 4th in the US Growth in the past year 10% 5th in the US Growth in the past 3 years 15% 7th in the US Number of Milking Cows 355,000 heads Milk Produced 7.6 billion lbs: 7th in the US 7th in the US Contribution to the National Milk 4.2% 21,515 lbs/cow/year 7th in the US Milk Productivity Number of Dairy Operations 172 dairy farms 34th in the US











NMSU Dairy Extension Home Faculty & Staff Publications

Tools Presentations Courses Programs

Important Links News Calendar of Events

Give Us Your Feedback.

Questional Contact us. Can't Sed what

Questions? <u>Contact us</u>. Can't find what you're leading far? Try <u>sear thing the</u> <u>Carlege site</u>.

Search NMSU Home

Universal NMP EPA

One-Time Information Entry Look for Automatic Possibilities

Western SARE Grant Proposal NIWQP-CSREES Grant Proposal



Pubs & Leverage

- 6 Refereed
- 6 Extension
- 2 Proceedings
- 3 Software
- 3 Competitive Grant Proposals