

PRESPONSE[®] SQ



Results of Presponse SQ in Combination with An Antibiotic In Commercial Feeding Operation

Investigators:

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Study Site:

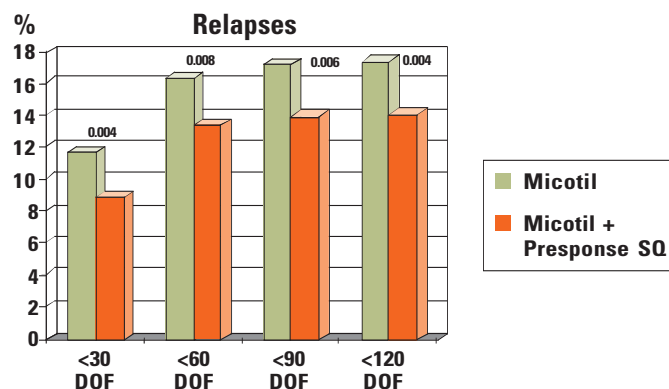
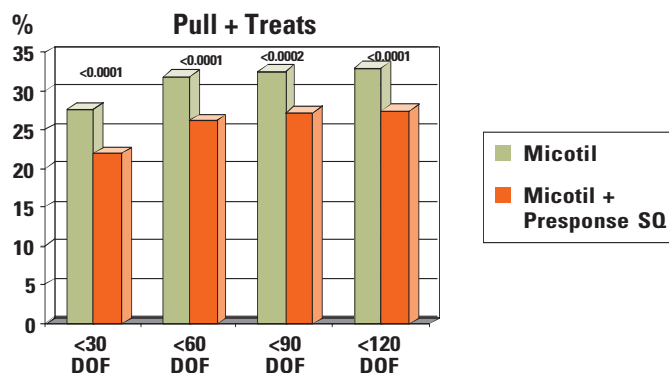
Five Rivers Cattle, Lamar, CO Feedlot

Study Objective:

Determine the effects of Micotil[®] alone or in combination with Presponse SQ as part of initial feedlot processing in lightweight, high-risk calves

Methods / Materials

- Treatments were applied to 3,996 head
 - Micotil* – 1,999 head
 - Micotil + Presponse SQ – 1,997 head
- Arrival – July 13, 2004, through August 30, 2004
- Purchase pay-weights less than 750 pounds
- Within each lot, treatment was assigned to individual animal by even or odd numbered ear tags by a flip of a coin
- Treatment cattle were commingled within lot
- Pen riders and hospital personnel were blinded to treatments
- Standard operating procedures for the feedlot location were followed for diagnosis and treatment of disease
- Individual animal information was recorded and maintained
- Data presented as percentage of total cattle within treatment on study
- Standard operating procedures for feedlot were followed for vaccination with MLV viral vaccine

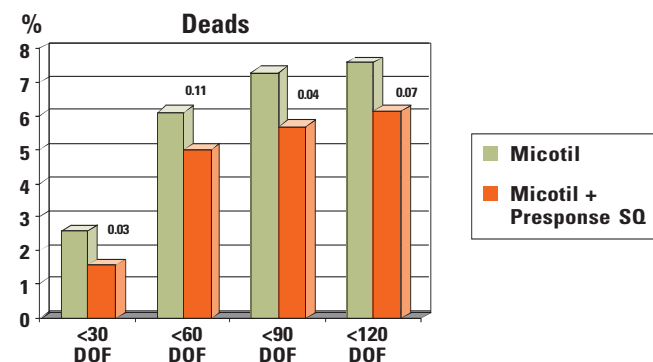
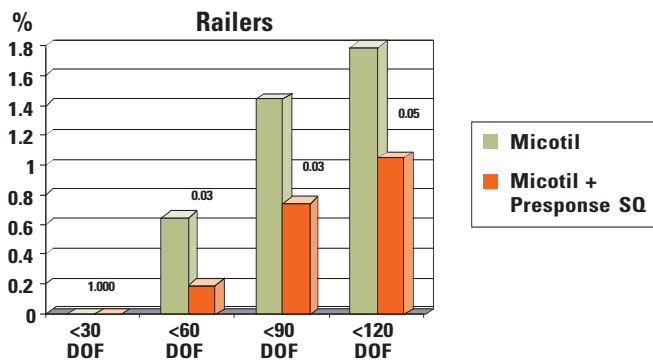


P-value is listed with each set of bars in the above graphs. Treatment means were considered statistically different at a P-value of 0.10 or less.

DOF = Days on feed

* Micotil given according to label directions

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P-value is listed with each set of bars in the above graphs. Treatment means were considered statistically different at a P-value of 0.10 or less.

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Conclusion

- Administration of Presponse SQ in addition to Micotil decreased morbidity and mortality compared to Micotil alone
- 17% reduction in pull + treats
- 19% reduction in relapses
- 22% reduction in mortality
- \$14.77/head benefit in net return

Final Results

Item	Micotil	Micotil + Presponse SQ	P-value
Pull + Treats, %	33.2	27.7	0.0002
Relapses, %	17.7	14.3	0.003
Railers, %	2.05	1.50	0.19
Deads, %	8.15	6.36	0.03

Data presented as percentage of total cattle within treatment on study
Treatment means were considered statistically different at a P-value of 0.10 or less

Economics

Item	Micotil	Micotil + Presponse SQ	P-value
Processing cost	\$15.03	\$16.88	<0.0001
Treatment cost	\$6.79	\$5.42	<0.0001
Railers	\$7.86	\$5.75	0.19
Deads	\$55.91	\$42.77	0.03
All costs	\$85.59	\$70.82	0.01
Difference	\$14.77		—

Presented as \$/head for respective treatment on study
Dead cost – \$110/cwt of initial weight with \$5/cwt slide
Railer cost – \$110/cwt of initial weight with \$5/cwt slide minus \$54/cwt of initial weight
Treatment means were considered statistically different at a P-value of 0.10 or less

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