

EXPRESS[®] 5 /Bovi-Shield[®] 4 Vaccine Comparison

Key Points

Post-vaccination Stress in Feedlot Cattle

- Over a 21-day receiving period, ADG was significantly (P=0.009) greater in EXPRESS[®] 5 vaccinated cattle.
- Percent of cattle requiring two treatments was significantly less (P=0.01) for EXPRESS 5 vaccinated cattle.
- Average number of treatments was significantly less (P=0.01) for EXPRESS 5 vaccinated cattle.
- Morbidity and mortality costs per head for EXPRESS 5 vaccinated cattle costs were \$14.51; Bovi-Shield 4[®] vaccinated cattle costs were \$26.91.

Study Design

Study animals	60 crossbred beef steers and bulls, 384 ± 6 lb
Location	Texas Tech University Research Feedyard
Procedures	Calves individually identified and weighed on arrival Calves allotted by weight, sex, and castration status All calves implanted and treated with pour-on insecticide Rectal temperatures were recorded on days 0, 3, and 7 After day 7, all calves moved to 30 head pens; fed together Morbidity was scored on scale of 0-4 (Apley Method, 2000)
Therapy protocol	A calf with rectal temperature of 104.0° F was treated for BRD. Treatment 1= Micotil [®] 300 Treatment 2= Nuflor [®] Treatment 3= Adspec [®] Sterile Solution and Naxcel [®]

Treatment Groups

	Number	Vaccine
Group 1	30 steers and bulls	EXPRESS 5
Group 2	30 steers and bulls	Bovi-Shield 4

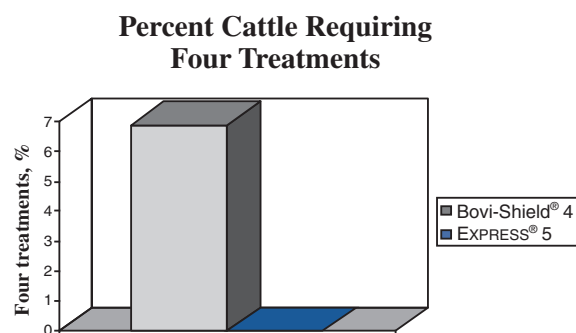
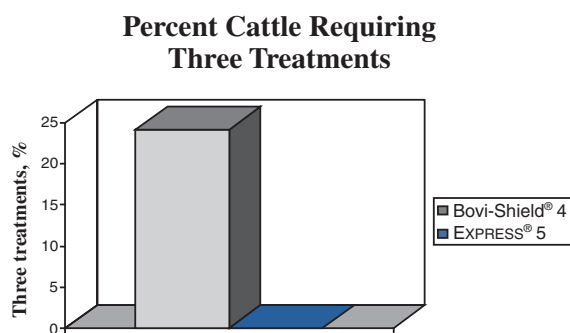
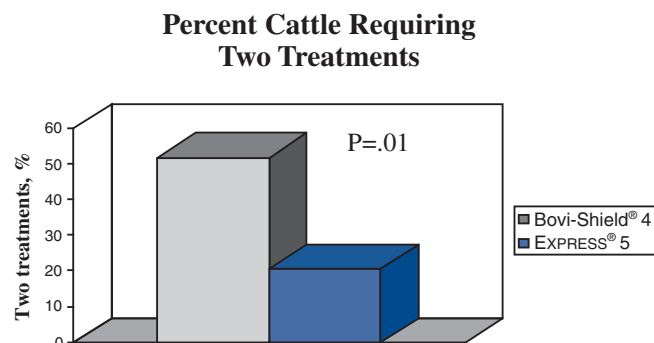
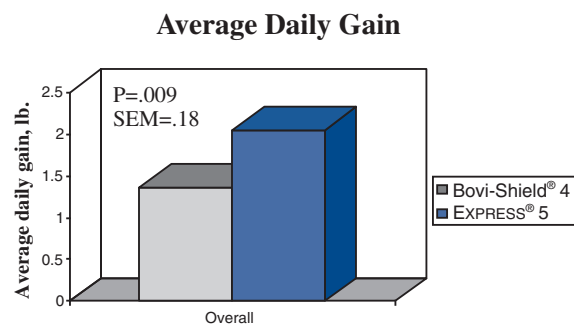
Bovi-Shield is a registered trademark of Pfizer Inc.

Micotil is a registered trademark of Elanco Animal Health a Division of Eli Lilly and Company.

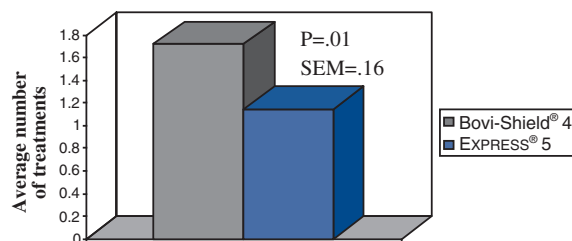
Nuflor is a registered trademark of Schering-Plough Animal Health Corporation.

Adspec and Naxcel are registered trademarks of Pharmacia & Upjohn Company.

Results of Parameters with Significant Differences



Average Number of Treatments for BRD



The Bottom Line

- **EXPRESS 5** vaccine, on arrival in feeder calves, resulted in less stress following vaccination, as determined by average daily gain, morbidity, and number of treatments.
- Bovi-Shield 4 group had nearly double morbidity and mortality costs.
- The breakeven dollar per cwt were less for **EXPRESS 5** (\$65.01) versus Bovi-Shield 4 (\$66.08).