



PRODUCT INFORMATION SHEET

MANPRO® 160

A nutritional feed ingredient for animal feed. When used as a commercial feed ingredient, it must be declared as manganese methionine complex. Association of American Feed Control Officials (AAFCO) No. 57.151. Canada Reg. No. 990587.



TYPICAL ANALYSIS

MINERALS		Manganese	16.0%
PROXIMATES		Moisture	0.5 - 2.0%
	Ash	50.5%	
	Crude Protein	24.9%	

PHYSICAL CHARACTERISTICS

Color	Tan
Texture	Granular
Particle Characteristics	Free flowing, slightly hygroscopic
Density	31 - 34 lb/ft ³ / 500 - 540 kg/m ³
Solubility	Active product is water soluble
Package Type	Multiwall bag
Package Weight	55.1 lb / 25 kg

SAFE HANDLING & STORAGE

When correctly used, there is no toxicity hazard in the use of MANPRO® 160. Refer to the SDS for more detail. Store in a clean and dry environment. Follow label directions and rotate inventory to ensure fresh product.

Shelf Life: 5 years after the date of manufacture

FEEDING INSTRUCTIONS

		g/hd/d	g/US Ton	g/MT	PPM (mineral)*
DAIRY CATTLE	All				20
BEEF CATTLE	Creep Feed		200	225	
	Weaned Calves				20
	Cows and Bulls	1.25			
	Feedlot Receiving				20
	Feedlot Finishing				20
SHEEP	All	0.25			
GOATS	All	0.25			
HORSES	All	1.25	285	315	
SWINE	All		125	125	
POULTRY	All		225	250	
AQUACULTURE	Salmonids and Marine Fish		171	188	
	Tilapia and Freshwater Fish		171	188	
	Shrimp		227	250	
COMPANION	Canine		140	155	
	Feline		90	100	
SPECIALTY	Deer	0.63			
	Elk	1.25			
	Llamas	0.36			

* PPM of mineral provided in the complete diet.

Not recommended for water use.

BEEF CATTLE: Creep feed recommendation based on daily intake of 1% body weight.

HORSES: All recommendations based on a mature horse of 500 kg body weight consuming 4 kg of complete feed.