

# Heifermax<sup>®</sup> 500

Melengestrol Acetate

## Liquid Premix (Type A Medicated Article)

**Heifers Fed in Confinement for Slaughter: For Increased Rate of Weight Gain, Improved Feed Efficiency, and Suppression of Estrus (Heat).**

**Heifers Intended for Breeding: For Suppression of Estrus (Heat).**

**Not for human use.**

### Directions for Use:

#### Heifers Fed in Confinement for Slaughter:

HEIFERMAX<sup>®</sup> 500 should be thoroughly mixed in liquid Type C medicated feed which must be fed at 0.5 to 2.0 pounds per head daily to provide 0.25 to 0.5 mg of melengestrol acetate per head per day. Average daily intakes approximating the middle of this range provide the most optimal and economical improvements in rate of weight gain and feed utilization. Constant daily intakes of 0.35 to 0.50 mg per head per day give a high degree of estrus suppression. Levels of 0.25 to 0.35 mg provide a lower but still effective degree of estrus suppression.

#### Heifers Intended for Breeding:

HEIFERMAX 500 should be thoroughly mixed in the supplement to provide 0.5 mg of melengestrol acetate per head per day.

#### Heifers Fed in Confinement for Slaughter:

Withdrawal periods of three to five days or more should be avoided to prevent the possibility that the heifers may come into estrus (heat) at loading time.

#### Heifers Intended for Breeding:

Do not exceed 24 days of feeding of melengestrol acetate to heifers intended for breeding. A reduced conception rate can be expected if heifers are bred at estruses observed within 1 to 12 days after withdrawal of melengestrol acetate, whereas heifers bred at subsequent observed estruses are expected to have normal conception rates.

**Not effective in steers or spayed heifers.**

### Mixing Directions:

Liquid Type B and C medicated feeds containing melengestrol acetate must have a pH of 4.0 to 8.0 and their labels must bear appropriate mixing directions. Mixing directions for liquid Type B or C feeds stored in recirculation tank systems are: "Recirculate immediately prior to use for no less than 10 minutes, moving not less than 1 percent of the tank contents from the bottom of the tank to the top. Recirculate daily, as directed in this paragraph even when the Type B (or C) feed is not used." Mixing directions for liquid Type B and C feeds stored in mechanical, air or other agitation-type tank systems are: "Agitate immediately prior to use for not less than 10 minutes, creating a turbulence at the bottom of the tank that is visible at the top. Agitate daily, as directed in this paragraph, even when the Type B (or C) feed is not used."

Intermediate premixes should not be made from HEIFERMAX 500 except as a part of a continuous mixing operation to make a complete liquid Type B or C medicated feed.

Thoroughly mix 0.5 to 4 pounds of HEIFERMAX 500 per ton of a non-medicated feed to prepare a Type C medicated feed containing 0.25 to 2.0 grams of melengestrol acetate per ton. The following table may be used as a guide in determining the amount of HEIFERMAX 500 to be added to prepare a ton of Type C medicated feed.

Amount of Type C Feed Fed (lb/head/day)	Melengestrol Acetate (mg/head/day)	HEIFERMAX 500 Liquid Premix Per Ton of Type C Feed	
		When Added by Weight (lb)	When Added by Volume (mL)
0.5	0.25	2.00	876
0.5	0.30	2.40	1051
0.5	0.35	2.80	1226
0.5	0.40	3.20	1402
0.5	0.45	3.60	1577
0.5	0.50	4.00	1752
1.0	0.25	1.00	438
1.0	0.30	1.20	526
1.0	0.35	1.40	613
1.0	0.40	1.60	701
1.0	0.45	1.80	788
1.0	0.50	2.00	876
1.5	0.25	0.66	289
1.5	0.30	0.80	350
1.5	0.35	0.93	407
1.5	0.40	1.07	469
1.5	0.45	1.20	526
1.5	0.50	1.33	582
2.0	0.25	0.50	219
2.0	0.30	0.60	263
2.0	0.35	0.70	307
2.0	0.40	0.80	350
2.0	0.45	0.90	394
2.0	0.50	1.00	438

Type B medicated feed containing 4 to 10 grams melengestrol acetate per ton may be manufactured by thoroughly mixing 8 to 20 lbs of HEIFERMAX 500 with 1992 to 1980 lbs of non-medicated feed. Labeling for such Type B feed shall contain directions for manufacturing Type C medicated feeds containing 0.25 to 2.0 grams melengestrol acetate per ton (0.125 to 1.0 mg/lb). The Type C medicated feed, containing melengestrol acetate, must be top dressed on grain or roughage or mixed with a complete ration at the rate of 0.5 to 2.0 pounds per head per day.

Good manufacturing practice regulations must be adhered to in manufacturing feeds containing HEIFERMAX 500.

Restricted Drug — Use only as Directed (California)

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