

# Ractopamine and Tylosin Finishing Swine Feed Type B Medicated Feed

## Control of Swine Dysentery and Control of Ileitis

**Caution:** Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.

Do Not Feed Undiluted

Important: Must be thoroughly mixed into feed before use.

### INDICATIONS

For increased rate of weight gain, improved feed efficiency and increased carcass leanness in finishing swine, weighing not less than 150 lbs, fed a complete ration containing at least 16% crude protein for the last 45 to 90 lbs of gain prior to slaughter; for control of swine dysentery associated with *Brachyspira hyodysenteriae*; and for control of porcine proliferative enteropathies (PPE, ileitis) associated with *Lawsonia intracellularis*.

### ACTIVE DRUG INGREDIENT

Ractopamine hydrochloride<sup>1</sup> ..... 45 to 4920 g/ton\*  
Tylosin phosphate<sup>2</sup> ..... 101 to 20,000 g/ton\*\*

### GUARANTEED ANALYSIS

Crude Protein, not less than..... \_\_\_\_\_ %  
Lysine, not less than..... \_\_\_\_\_ %  
Crude Fat, not less than..... \_\_\_\_\_ %  
Crude Fiber, not more than..... \_\_\_\_\_ %  
Calcium, not less than..... \_\_\_\_\_ %  
Calcium, not more than..... \_\_\_\_\_ %  
Phosphorus, not less than..... \_\_\_\_\_ %  
Salt<sup>3</sup>, not less than..... \_\_\_\_\_ %  
Salt<sup>3</sup>, not more than..... \_\_\_\_\_ %  
Sodium<sup>4</sup>, not less than..... \_\_\_\_\_ %  
Sodium<sup>4</sup>, not more than..... \_\_\_\_\_ %  
Selenium, not less than..... \_\_\_\_\_ ppm  
Zinc, not less than..... \_\_\_\_\_ ppm

<sup>3</sup>If added.

<sup>4</sup>Shall be guaranteed only when total sodium exceeds that furnished by the maximum salt guarantee.

### INGREDIENTS

Each ingredient must be named in accordance with the names and definitions adopted by the Association of American Feed Control Officials.

## MIXING DIRECTIONS

The table below provides a guide for how Type B Medicated Feeds can be manufactured. For labeling purposes, use only the portion of the table applicable to the concentration of ractopamine and tylosin in the Type B Medicated Feed manufactured. Other concentrations of ractopamine and tylosin may be used in the production of Type B Medicated Feed but must result in proper concentrations of ractopamine and tylosin in the final Type C Medicated Feed.

Concentration of Ractopamine in Type B Medicated Feed (grams/ton)	Concentration of Tylosin in Type B Medicated Feed (grams/ton)	Type B Medicated Feed to Add Per Ton of Type C Medicated Feed (pounds)	Resulting Ractopamine and Tylosin concentration in Type C Medicated Feed (grams/ton)
45	400	200	4.5 (ractopamine) 40 (tylosin)
90	400	200	9 (ractopamine) 40 (tylosin)
90	800	100	4.5 (ractopamine) 40 (tylosin)
90	2000	100	4.5 (ractopamine) 100 (tylosin)
450	4000	20	4.5 (ractopamine) 40 (tylosin)
900	10,000	20	9 (ractopamine) 100 (tylosin)
900	8000	10	4.5 (ractopamine) 40 (tylosin)
900	20,000	10	4.5 (ractopamine) 100 (tylosin)
4500	20,000	4	9 (ractopamine) 40 (tylosin)

Thoroughly mix Type B Medicated Feed containing ractopamine and tylosin into one ton of complete swine feed to obtain the proper concentrations in a Type C Medicated Feed. The resulting Type C Medicated Feed is required to contain at least 16% crude protein. Prepare an intermediate pre-blend of the medicated feed prior to mixing in a complete feed. Thoroughly mix the required amount in a convenient quantity of feed ingredients then add to the remaining feed ingredients to make a ton of complete feed containing 4.5 to 9 g/ton ractopamine and 40 or 100 g/ton tylosin.

**CAUTION:** Ractopamine may increase the number of injured and/or fatigued pigs during marketing. Not for animals intended for breeding.

Do not use in any finished feed (supplement, concentrate or complete feed) containing in excess of 2% bentonite.

**WARNING:** The active ingredient in Engain<sup>®</sup>, ractopamine hydrochloride, is a beta-adrenergic agonist. Individuals with cardiovascular disease should exercise special caution to avoid exposure. Not for use in humans. Keep out of the reach of children. The Engain formulation (Type A Medicated Article) poses a low dust potential under usual conditions of handling and mixing. When mixing and handling Engain, use protective clothing, impervious gloves, protective eye wear, and a NIOSH-approved dust mask.

Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse eyes thoroughly with water. If irritation persists, seek medical attention. The material safety data sheet contains more detailed occupational safety information. To report adverse effects, access medical information, or obtain additional product information, call 1-888-963-8471.

**MANUFACTURED BY**  
**BLUE BIRD FEED COMPANY**  
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Net Weight lb (kg) on bag or bulk

\*The medicated feed label must state a single drug concentration. No increased benefit has been shown when ractopamine concentrations in the diet are greater than 4.5 g/ton (5 ppm).

\*\*The medicated feed label must state a single drug concentration.

<sup>1</sup>Sourced from Engain<sup>®</sup>, ANADA 200-542

<sup>2</sup>Sourced from Tylovet 100<sup>®</sup>, ANADA 200-484