

## Swine External Parasites

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**Table 2.23 - Sprays**

| Pests                    | Insecticide Active Ingredient [Percent A.I. in Product] (Trade Name) | Mixing and Application Information   | Precautions  |
|--------------------------|--|--|--|
| lice                     | Coumaphos [25%]  | Mix 2.0 lbs product in 100 gal water. Apply to point of run-off.   | Check label for details.   |
|                          | Tetrachlorvinphos [50%]  | Dilute 4.0 lbs in 50.0 gal water. Apply as a coarse spray, using 1-2 qts/animal.   | Repeat in 2 weeks if necessary.  |
| lice, mange mites, ticks | Amitraz [12.5%]  | Mix 1 can (760-ml = 25.7 oz) in 50.0 gal water (equivalent to 0.5 oz product/gal spray solution). Use solution within 6 hr of mixing. Spray entire pen area at 70-150 psi. Spray all animals to run-off and thoroughly treat jowl, legs, inside the ears, and underside of body. If necessary, make second application in 7-10 days for mites and 10-14 days for lice. | Remove feed from pen and cover drinking bowls. Remove and destroy bedding. Hose out feces and excess feed. <b>Do not apply to swine within 3 days of slaughter. Do not treat animals more than 4 times per year.</b> |
| lice, mange mites        | Fenvalerate [10%]  | Mix 1.0 qt product in 50.0 gal water. Wet entire animal with up to 8.0 oz of spray.  | Do not apply within 1 day of slaughter.  |
|                          | Phosmet [11.6%] <sup>1</sup>   | Mix 1.0 qt product in 25.0 gal water. Apply to run-off. Repeat if necessary after 14 days.   | Check label for details. Do not apply within 1 day of slaughter. Do not apply to sick, convalescent or stressed animals. Do not apply to suckling pigs.  |
|                          | Permethrin [11%]<br>Stirofos   | Follow directions according to labels.   | Check labels for precautions.  |

<sup>1</sup>Do not use this product in conjunction with other cholinesterase-inhibiting drugs, pesticides, or chemicals.

**Table 2.24 - Dusts**

| <b>Pests</b> | <b>Insecticide Active Ingredient [Percent A.I. in Product] (Trade Name)</b> | <b>Mixing and Application Information</b>  | <b>Precautions</b>   |
|--------------|---|--|--|
| lice         | Coumaphos [1%]  | No mixing is necessary. Ready-to-use. Do not use more than 1.0 oz of product/animal.   | Do not use more frequently than once every 10 days.  |
|              | Tetrachlorvinphos [3%] <sup>1</sup>   | Use 3-4 oz/animal. Repeat as necessary, but not more often than once every 14 days. In severe infestations, both animals and bedding should be treated. Use 1.0 lb/150.0 sq ft of bedding. | Check label for details.   |
|              | Permethrin [0.25%]  | Apply up to 1.0 oz (3.0 tbsp) of dust to the head, shoulders, and neck. Repeat as necessary, but not more than once every 10 days.   | Do not contaminate water, food or feed by storage or disposal. Keep container sealed when not in use.    |
|              | Malathion Dust [4%]   | Thoroughly apply to all animals in herd, as well as pens. One treatment may be sufficient.   | Do not treat calves under 1 month of age. Do not contaminate water, food or feed by storage or disposal. |

<sup>1</sup>Do not use this product in conjunction with other cholinesterase-inhibiting drugs, pesticides, or chemicals.

**Table 2.25 - Pour-ons**

| <b>Pests</b>      | <b>Insecticide Active Ingredient [Percent A.I. in Product] (Trade Name)</b> | <b>Mixing and Application Information</b>   | <b>Precautions</b>   |
|-------------------|---|---|--|
| lice, mange mites | Amitraz [2%]<br>Fenualerate<br>Fenthion<br>Permethrin                       | Requires specially designed dosing gun. Apply proper dosage (consult chart on label) to the inside of each ear and along the midline of the back. | Restrain animals. Do not treat within 7 days of slaughter. Retreat in 7 to 10 days, if necessary. Check label for details. |

**Table 2.26 - Injectables**

| Pests   | Insecticide Active Ingredient [Percent A.I. in Product] (Trade Name) | Mixing and Application Information   | Precautions  |
|---|--|--|--|
| sucking lice ( <i>Haematopinus suis</i> ),<br>mange mites ( <i>Sarcoptes scabiei</i> var. <i>suis</i> ) | Ivermectin [1%]<br>(Ivomec)  | Ivomec should be given only by subcutaneous injection at the recommended dose level of 300 mcg ivermectin/kgm of body wt. Each ml of Ivomec contains 10 mg of ivermectin, sufficient to treat 75 lb (33 kg) of body weight. Use of a 16- or 18-gauge 1/2 to 3/4" needle is suggested. The recommended route of administration is by subcutaneous injection in the neck, behind the ear. Use aseptic technique. | This product has been developed for use in swine only. Do not treat swine within 18 days of slaughter. This product is not for intravenous or intra-muscular use. Restrain animal to achieve the proper route of administration. Use sterile equipment and sanitize the injection site by applying a suitable disinfectant. Clean, properly disinfected needles should be used to reduce potential injection-site infection. Protect product from light. Keep this and all drugs out of reach of children. |

