

AGRI-MECTIN - ivermectin injection

Agri Laboratories, Ltd.

ANADA 200-429, Approved by FDA

Injection for Cattle and Swine

1% Sterile Solution

A Parasiticide for the Treatment and Control of Internal and External Parasites of Cattle and Swine

Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

Introduction

AGRI-MECTIN is an injectable parasiticide for cattle and swine. One low-volume dose effectively treats and controls the following internal and external parasites that may impair the health of cattle and swine: gastrointestinal roundworms (including inhibited *Ostertagia ostertagi* in cattle), lungworms, grubs, sucking lice, and mange mites of cattle; and gastrointestinal roundworms, lungworms, lice, and mange mites in swine.

Product Description

Ivermectin is derived from the avermectins, a family of potent, broad-spectrum antiparasitic agents isolated from fermentation of *Streptomyces avermitilis*.

AGRI-MECTIN Injection is a clear, ready-to-use, sterile solution containing 1% ivermectin, 40% glycerol formal, and propylene glycol, q.s. ad 100%. AGRI-MECTIN Injection is formulated to deliver the recommended dose level of 200 mcg ivermectin/kilogram of body weight in cattle when given subcutaneously at the rate of 1 mL/110 lb (50 kg). In Swine, AGRI-MECTIN Injection is formulated to deliver the recommended dose level of 300 mcg ivermectin/kilogram body weight when given subcutaneously in the neck at the rate of 1 mL/75 lbs (33 kg).

MODE OF ACTION

Ivermectin is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells. This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gamma-aminobutyric acid (GABA)

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels, the macrocyclic lactones have a low affinity for other mammalian ligand-gated chloride channels and they do not readily cross the blood-brain barrier.

INDICATIONS

Cattle: AGRI-MECTIN Injection is indicated for the effective treatment and control of the following harmful species of gastrointestinal roundworms, lungworms, grubs, sucking lice and mange mites in cattle:

Gastrointestinal Roundworms

(adults and fourth-stage larvae):

Ostertagia ostertagi

(Including inhibited *O. ostertagi*)

O. lyrata

Haemonchus placei

Trichostrongylus axei

T. colubriformis

Cooperia oncophora

C. punctata

C. pectinata

Oesophagostomum radiatum

Bunostomum phlebotomum

Nematodirus helvetianus

(adults only)

N. spathiger (adults only)

Lungworms

(adults and fourth-stage larvae):

Dictyocaulus viviparus

Cattle Grubs(parasitic stages):

Hypoderma bovis

H. lineatum

Sucking Lice:

Linognathus vituli

Haematopinus eurysternus

Solenopotes capillatus

Mites (scabies):

Psoroptes ovis

(syn. *P. communis* var. *bovis*)

Sarcoptes scabiei var. *bovis*

Persistent Activity

AGRI-MECTIN Injection has been proved to effectively control infections and to protect cattle from reinfection with *Dictyocaulus viviparus* and *Oesophagostomum radiatum* for 28 days after treatment; *Ostertagia ostertagi*, *Trichostrongylus axei* and *Cooperia punctata* for 21 days after treatment; *Haemonchus placei* and *Cooperia oncophora* for 14 days after treatment.

Swine: AGRI-MECTIN Injection is indicated for the effective treatment and control of the following harmful species of gastrointestinal roundworms, lungworms, lice and mange mites in swine:

Gastrointestinal roundworms

Large roundworm, *Ascaris suum*

(adults and fourth-stage larvae)

Red stomach worm, *Hyoststrongylus rubidus*

(adults and fourth-stage larvae)

Nodular worm, *Oesophagostomum* spp.

(adults and fourth-stage larvae)

Threadworm, *Strongyloides ransomi* (adults)

Somatic Roundworm Larvae:

Threadworm, *Strongyloides ransomi* (somatic larvae)

Sows must be treated at least seven days before farrowing to prevent infection in piglets.

Lungworm:

Metastrongylus spp. (adults)

Lice:

Haematopinus suis

Mange Mites:

Sarcoptes scabiei var. *suis*

DOSAGE

Cattle: AGRI-MECTIN should be given only by subcutaneous injection under the loose skin in front of or behind the shoulder at the recommended dose level of 200 mcg ivermectin per kilogram of body weight. Each mL of AGRI-MECTIN contains 10 mg of ivermectin, sufficient to treat 110 lb (50 kg) of body weight (maximum 10 mL per injection site.).

Body Weight (lb)	Dose (mL)
220	2
330	3
440	4
550	5
660	6
770	7
880	8
990	9
1100	10

	Body Weight (lb)	Dose (mL)
Growing Pigs	19	1/4
	38	1/2
	75	1
	150	2
Breeding Animals (Sows, Gilts, and Boars)	225	3
	300	4
	375	5
	450	6

Swine: AGRI-MECTIN should be given only by subcutaneous injection in the neck of swine at the recommended dose level of 300 mcg ivermectin per kilogram (2.2 lb) of body weight. Each mL of AGRI-MECTIN contains 10 mg of ivermectin, sufficient to treat 75 lb of body weight.

ADMINISTRATION

Cattle: AGRI-MECTIN Injection is to be given subcutaneously only, to reduce risk of potentially fatal clostridial infection of the injection site.

Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16-gauge, 1/2 to 3/4" needle is suggested. Inject under the loose skin in front of or behind the shoulder (see illustration). When using the 200 mL, 500 mL size, use only automatic syringe equipment. Use sterile equipment and sanitize the injection site by applying a suitable disinfectant. Clean, properly disinfected needles should be used to reduce the potential for injection site infections. No special handling or protective clothing is necessary.



Swine: AGRI-MECTIN Injection is to be given subcutaneously in the neck. Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16- or 18-gauge needle is suggested for sows and boars, while an 18- or 20-gauge needle may be appropriate for young animals. Inject under the skin, immediately behind the ear (see illustration). When using the 200 mL, 500 mL size, use only automatic syringe equipment. As with any injection, sterile equipment should be used. The injection site should be cleaned and disinfected with alcohol before injection. The rubber stopper should also be disinfected with alcohol to prevent contamination of the contents. Mild and transient pain reactions may be seen in some swine following subcutaneous administration.

RECOMMENDED TREATMENT PROGRAM

SWINE: At the time of initiating any parasite control program, it is important to treat all breeding animals in the herd. After the initial treatment, use AGRI-MECTIN Injection regularly as follows:

BREEDING ANIMALS:

Sows: Treat prior to farrowing, preferably 7 - 14 days before, to minimize infection of piglets.

Gilts: Treat 7 - 14 days prior to breeding.
Treat 7 - 14 days prior to farrowing.

Boars: Frequency and need for treatment are dependent upon exposure. Treat at least two times a year.

FEEDER PIGS

(Weaners/Growers/Finishers)

All weaner/feeder pigs should be treated before placement in clean quarters.

Pigs exposed to contaminated soil or pasture may need retreatment if reinfection occurs.

NOTE:

- (1) AGRI-MECTIN Injection has a persistent drug level sufficient to control mite infestations throughout the egg to adult life cycle. However, since the ivermectin effect is not immediate, care must be taken to prevent reinfestation from exposure to untreated animals or contaminated facilities. Generally, pigs should not be moved to clean quarters or exposed to uninfested pigs for approximately one week after treatment. Sows should be treated at least one week before farrowing to minimize transfer of mites to newborn baby pigs.
- (2) Louse eggs are unaffected by AGRI-MECTIN Injection and may require up to three weeks to hatch. Louse infestations developing from hatching eggs may require retreatment.
- (3) Consult a veterinarian for aid in the diagnosis and control of internal and external parasites of swine.

Special Minor Use

Reindeer: For the treatment and control of warbles (*Oedemagena tarandi*) in reindeer, inject 200 micrograms ivermectin per kilogram of body weight, subcutaneously. Follow use directions for cattle as described under **ADMINISTRATION**.

American Bison: For the treatment and control of grubs (*Hypoderma bovis*) in American bison, inject 200 micrograms ivermectin per kilogram of body weight, subcutaneously. Follow use directions for cattle as described under **ADMINISTRATION**.

RESIDUE WARNING: Do not treat reindeer or American bison within 8 weeks (56 days) of slaughter.

WARNING

Not for use in humans.

Keep this and all drugs out of the reach of children.

The Material Safety Data Sheet (MSDS) contains more detailed occupational safety information. To report adverse effects, obtain a MSDS or for assistance, contact Agri Laboratories, Ltd. at 1-800-542-8916.

RESIDUE WARNING: Do not treat cattle within 35 days of slaughter. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age.

A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Do not treat swine within 18 days of slaughter.

PRECAUTIONS

Transitory discomfort has been observed in some cattle following subcutaneous administration. A low incidence of soft tissue swelling at the injection site has been observed. These reactions have disappeared without treatment. For cattle, divide doses greater than 10 mL between two injection sites to reduce occasional discomfort or site reaction.

Use sterile equipment and sanitize the injection site by applying a suitable disinfectant. Clean, properly disinfected needles should be used to reduce the potential for injection site infection.

Observe cattle for injection site reactions. Reactions may be due to clostridial infection and should be aggressively treated with appropriate antibiotics. If injection site infections are suspected, consult your veterinarian.

This product is not for intravenous or intramuscular use.

Protect product from light.

AGRI-MECTIN Injection for Cattle and Swine has been developed specifically for use in cattle, swine, reindeer and American bison **only**. This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs may result.

When to Treat Cattle with Grubs

AGRI-MECTIN effectively controls all stages of cattle grubs. However, proper timing of treatment is important. For most effective results, cattle should be treated as soon as possible after the end of the heel fly (warble fly) season. Destruction of *Hypoderma* larvae (cattle grubs) at the period when these grubs are in vital areas may cause undesirable host-parasite reactions including the possibility of fatalities. Killing *Hypoderma lineatum* when it is in the tissue surrounding the esophagus (gullet) may cause salivation and bloat. Killing *H. bovis* when it is in the vertebral canal may cause staggering or paralysis. These reactions are not specific to treatment with AGRI-MECTIN, but can occur with any successful treatment of grubs. Cattle should be treated either before or after these stages of grub development. Consult your veterinarian concerning the proper time for treatment. Cattle treated with AGRI-MECTIN after the end of the heel fly season may be retreated with AGRI-MECTIN during the winter for internal parasites, mange mites, or sucking lice without danger of grub-related reactions. A planned parasite control program is recommended.

ENVIRONMENTAL SAFETY

Studies indicate that when ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain water-borne organisms on which they feed. Do not permit water runoff from feedlots or production sites to enter lakes, streams, or ponds. Do not contaminate water by direct application or by the improper disposal of drug containers. Dispose of containers in an approved landfill or by incineration.

As with other avermectins, ivermectin is excreted in the dung of treated animals and can inhibit the reproduction and growth of pest and beneficial insects that use dung as a source of food and for reproduction. The magnitude and duration of such effects are species and lifestyle specific. When used according to label directions, the product is not expected to have an adverse impact on populations of dung-dependent insects.

HOW SUPPLIED

50 mL, 200 mL, 500 mL

Store at 20-25°C.

Restricted Drug (California) - use only as directed.

INDICATIONS

For the treatment and control of gastro-intestinal roundworms, lungworms, lice, and mange mites. See package insert for complete indications, precautions, warnings, residue warning, and use directions.

Do not contaminate water by direct application or by improper disposal of drug containers. Dispose of containers in an approved landfill or by incineration.

RECOMMENDED DOSE

Cattle: 1 mL per 110 lb body weight.
Swine: 1 mL per 75 lb body weight.



Manufactured for
Agri Laboratories, Ltd.
St. Joseph, MO 64503

LOT NO.: EXP. DATE:

NDC 57561-468-07

AGRI-MECTIN® (ivermectin)

**Injection for Cattle and Swine
1% Sterile Solution**

**Consult your veterinarian for assistance
in the diagnosis, treatment,
and control of parasitism.**

ANADA 200-429, Approved by FDA

NET CONTENTS: 200 mL



AgriLabs®
Having A Healthy Outcome™

WARNING

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Keep this and all drugs out of the
reach of children.**



RESIDUE WARNING: Do not treat cattle within 35 days of slaughter. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Do not treat swine within 18 days of slaughter.

PRECAUTIONS: For subcutaneous injection in cattle and swine only. Use automatic syringe equipment only. Protect product from light.

Restricted Drug (California) - use only as directed. Store at 20-25°C.

TAKE TIME



OBSERVE LABEL
DIRECTIONS

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I-3468-07

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treated either before or after these stages of grub development. Consult your veterinarian concerning the proper time for treatment. Cattle treated with AGRI-MECTIN® after the end of the beef fly season may be retreated with AGRI-MECTIN® during the winter for internal parasites, mange mites, or sucking lice without danger of grub-related reactions. A planned parasite control program is recommended.

Environmental Safety

Studies indicate that when ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain water-borne organisms on which they feed. Do not permit water runoff from feedlots or production sites to enter lakes, streams, or ponds. Do not contaminate water by direct application or by the improper disposal of drug containers. Dispose of containers in an approved landfill or by incineration.

As with other avermectins, ivermectin is excreted in the dung of treated animals and can inhibit the reproduction and growth of pest and beneficial insects that use dung as a source of food and for reproduction. The magnitude and duration of such effects are species and life-cycle specific. When used according to label directions, the product is not expected to have an adverse impact on populations of dung-dependent insects.

How Supplied: 50 mL, 200 mL, 500 mL.

Store at 20-25°C.

Restricted Drug (California) - use only as directed.

Manufactured for
Agri Laboratories, Ltd.
St. Joseph, MO 64503, USA

ANADA 200-429, Approved by F.D.A.

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WARNING

**Not for use in humans.
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reach of children.**

RESIDUE WARNING: Do not treat cattle within 35 days of slaughter. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Do not treat swine within 18 days of slaughter.

PRECAUTIONS: For subcutaneous injection in cattle and swine only. Use automatic syringe equipment only. Protect product from light.

Restricted Drug (California) - use only as directed. Store at 20-25°C.

TAKE TIME



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AGRI-MECTIN® (ivermectin)

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of Internal and External Parasites of Cattle
and Swine**

**Consult your veterinarian for assistance in the
diagnosis, treatment, and control of parasitism.**

Introduction

AGRI-MECTIN® is an injectable parasiticide for cattle and swine. One low-volume dose effectively treats and controls the following internal and external parasites that may impair the health of cattle and swine: gastrointestinal roundworms (including inhibited *Ostertagia circumcincta* in cattle), lungworms, grubs, sucking lice, and mange mites of cattle; and gastrointestinal roundworms, lungworms, lice, and mange mites of swine.

Product Description

Ivermectin is derived from the avermectins, a family of potent, broad-spectrum antiparasitic agents isolated from fermentation of *Streptomyces avermectin*. AGRI-MECTIN® Injection is a clear, ready-to-use, sterile solution containing 1% ivermectin, 40% glycerol formal, and propylene glycol, U.S. at 100%. AGRI-MECTIN® Injection is formulated to deliver the recommended dose level of 200 mcg ivermectin/kilogram of body weight in cattle when given subcutaneously at the rate of 1 mL/110 lb (50 kg). In Swine, AGRI-MECTIN® Injection is formulated to deliver the recommended dose level of 200 mcg ivermectin/kilogram body weight when given subcutaneously in the neck at the rate of 1 mL/75 lb (35 kg).

Mode of Action

Ivermectin is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride channels which occur in invertebrate nerve and muscle cells. This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gamma-aminobutyric acid (GABA).

The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels, the macrocyclic lactones have a low affinity for other mammalian ligand-gated chloride channels and they do not readily cross the blood-brain barrier.

Indications

Cattle: AGRI-MECTIN® Injection is indicated for the effective treatment and control of the following harmful species of gastrointestinal roundworms, lungworms, grubs, sucking lice, and mange mites in cattle:

Gastrointestinal Roundworms
(adults and fourth-stage larvae):
Ostertagia circumcincta (including inhibited *O. circumcincta*)
C. contorta
Hemonchus placei
Trichostrongylus axei
T. colubriformis
C. punctata
C. penicillata
Desmodophorus ruminantium
Bunostomum phlebotomum
Nematodirus helveticus (adults only)
N. battus (adults only)

Lungworms
(adults and fourth-stage larvae):
Dicrocoelium viverrini
Cattle Grubs (parasitic stages):
Hypoderma bovis
H. lineolaris
Sucking Lice
Linfuraxius stali
Haematopinus eurysternus
Solenopotes capillatus
Mites (scabiei):
Psoroptes ovis
(*var. F. communis* var. *bovis*)
Sarcoptes scabiei var. *bovis*

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Persistent Activity

AGRI-MECTIN® Injection has been proved to effectively control infections and to protect cattle from reinfection with *Dicrocoelium viverrini* and *Desmodophorus ruminantium* for 28 days after treatment. *Ostertagia circumcincta*, *Trichostrongylus axei* and *Cooperia punctata* for 21 days after treatment; *Hemonchus placei* and *Cooperia oncophora* for 14 days after treatment.

Swine: AGRI-MECTIN® Injection is indicated for the effective treatment and control of the following harmful species of gastrointestinal roundworms, lungworms, lice, and mange mites in swine:

Gastrointestinal Roundworms
Large roundworm, *Ascaris suum* (adults and fourth-stage larvae)
Nodular worm, *Ostophogasterium spp.* (adults and fourth-stage larvae)
Threadworm, *Strongylus ransoni* (adults)

Somatic Roundworm Larvae
Threadworm, *Strongylus ransoni* (somatic larvae)
Sows must be treated at least seven days before farrowing to prevent infection in piglets.

Lungworms:
Dictyocaulus viverrini spp. (adults)

Lice:
Haematopinus suis

Mange Mites:
Sarcoptes scabiei var. *suis*

Dosage
Cattle: AGRI-MECTIN® Injection should be given subcutaneously in the neck. Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16- or 18-gauge needle is suggested.

Body Weight	Dose (mL)
50	0.5
100	1.0
150	1.5
200	2.0
250	2.5
300	3.0
350	3.5
400	4.0
450	4.5
500	5.0
550	5.5
600	6.0
650	6.5
700	7.0
750	7.5
800	8.0
850	8.5
900	9.0
950	9.5
1000	10.0

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the shoulder at the recommended dose level of 200 mcg ivermectin per kilogram of body weight. Each mL of AGRI-MECTIN® contains 10 mg of ivermectin, sufficient to treat 110 lb (50 kg) of body weight (maximum 10 mL per injection site).

Swine: AGRI-MECTIN® Injection should be given only by subcutaneous injection in the neck of swine at the recommended dose level of 200 mcg ivermectin per kilogram (2.2 lb) of body weight. Each mL of AGRI-MECTIN® contains 10 mg of ivermectin, sufficient to treat 75 lb of body weight.

Administration
Cattle: AGRI-MECTIN® Injection is to be given subcutaneously only, to reduce risk of potentially fatal clostridial infection of the injection site. Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16-gauge, 12 to 34" needle is suggested. Inject under the loose skin in front of or behind the shoulder (see illustration).

When using the 200 mL, 500 mL, size, use only automatic syringe equipment. Use sterile equipment and sanitize the injection site by applying a suitable disinfectant. Clean, properly disinfected needles should be used to reduce the potential for injection site infections. No special handling or protective clothing is necessary.

Swine: AGRI-MECTIN® Injection is to be given subcutaneously in the neck. Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16- or 18-gauge needle is suggested.

	Body Weight	Dose (mL)
Growing Pigs	10	1.0
	20	2.0
	30	3.0
	40	4.0
	50	5.0
	60	6.0
	70	7.0
	80	8.0
	90	9.0
	100	10.0
	110	11.0
	120	12.0
	130	13.0
	140	14.0
	150	15.0
	160	16.0
	170	17.0
	180	18.0
	190	19.0
	200	20.0
	210	21.0
	220	22.0
	230	23.0
	240	24.0
	250	25.0
	260	26.0
	270	27.0
	280	28.0
	290	29.0
	300	30.0
	310	31.0
	320	32.0
	330	33.0
	340	34.0
	350	35.0
	360	36.0
	370	37.0
	380	38.0
	390	39.0
	400	40.0
	410	41.0
	420	42.0
	430	43.0
	440	44.0
	450	45.0
	460	46.0
	470	47.0
	480	48.0
	490	49.0
	500	50.0
	510	51.0
	520	52.0
	530	53.0
	540	54.0
	550	55.0
	560	56.0
	570	57.0
	580	58.0
	590	59.0
	600	60.0
	610	61.0
	620	62.0
	630	63.0
	640	64.0
	650	65.0
	660	66.0
	670	67.0
	680	68.0
	690	69.0
	700	70.0
	710	71.0
	720	72.0
	730	73.0
	740	74.0
	750	75.0
	760	76.0
	770	77.0
	780	78.0
	790	79.0
	800	80.0
	810	81.0
	820	82.0
	830	83.0
	840	84.0
	850	85.0
	860	86.0
	870	87.0
	880	88.0
	890	89.0
	900	90.0
	910	91.0
	920	92.0
	930	93.0
	940	94.0
	950	95.0
	960	96.0
	970	97.0
	980	98.0
	990	99.0
	1000	100.0

Recommended Treatment Program
SWINE: Rise for the time of initiating any parasite control program. It is important to treat all breeding animals in the herd. After the initial treatment, use AGRI-MECTIN® Injection regularly as follows:

BREEDING ANIMALS:

Sows: Treat prior to farrowing, preferably 7-14 days before, to minimize infection of piglets.

Glits: Treat 7-14 days prior to breeding.

Boars: Frequency and need for treatment are dependent upon exposure.

Treat at least two times a year.

FEEDER PIGS

(Weaners/Growers/Finishers)

All weaner/feeder pigs should be treated before placement in clean quarters.

Pigs exposed to contaminated soil or pasture may need retreatment if reinfection occurs.

NOTE:

(1) AGRI-MECTIN® Injection has a persistent drug level sufficient to control mite infestations throughout the egg to adult life cycle.

However, since the ivermectin effect is not immediate, care must be taken to prevent reinfection from exposure to untreated animals or contaminated facilities. Generally, pigs should not be moved to clean quarters or exposed to unfed pigs for approximately one week after treatment. Sows should be treated at least one week before farrowing to minimize transfer of mites to newborn baby pigs.

(2) Louse eggs are unaffected by AGRI-MECTIN® Injection and may require up to three weeks to hatch. Louse infestations developing from hatching eggs may require retreatment.

(3) Consult a veterinarian for aid in the diagnosis and control of internal and external parasites of swine.

Special Minor Use

Reindeers: For the treatment and control of warbles (*Oedematosa* brand) in reindeer, inject 200 micrograms ivermectin per kilogram of body weight, subcutaneously. Follow use directions for cattle as described under ADMINISTRATION.

American Bison: For the treatment and control of grubs (hypodermid bolls) in American bison, inject 200 micrograms ivermectin per kilogram of body weight, subcutaneously. Follow use directions for cattle as described under ADMINISTRATION.

WARNING: Do not treat reindeer or American bison within 6 weeks (56 days) of slaughter.

WARNING
Not for use in humans.
Keep this and all drugs out of the reach of children.

The Material Safety Data Sheet (MSDS) contains more detailed occupational safety information. To report adverse effects, obtain a MSDS or for assistance, contact Agri Laboratories, Ltd. at 1-800-542-8916.

RESIDUE WARNING: Do not treat cattle within 35 days of slaughter. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

Do not treat swine within 18 days of slaughter.

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