

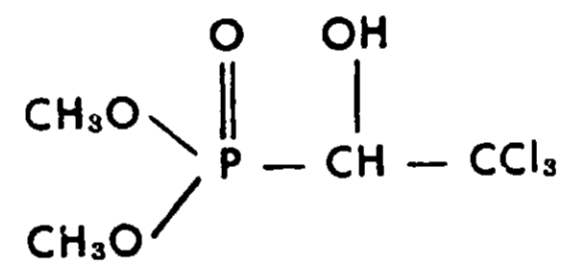
U.S. PATENT OFFICE
 REGISTERED TRADEMARK
 U.S. PATENT 2,701,225

FORT DODGE

Dyrex*
 (Trichlorfon)
Cap-Tab®

Anthelmintic for Horses

Contains the organic phosphate compound, Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate**, having the following structural formula:



This compound paralyzes and kills both adult and immature nematodes and bots in the equine, apparently acting on the central nervous system of the parasite, resulting in muscular paralysis and death. By formulating trichlorfon into a Cap-tab, a slower and more sustained release of the active ingredient has been achieved, resulting in an efficacious equine anthelmintic. Extensive field trials and professional use of the Cap-tabs have confirmed this high efficacy.

INDICATIONS

Dyrex (trichlorfon) Cap-Tab is indicated for removal of the following equine parasites: bots (*Gastrophilus nasalis*, *Gastrophilus intestinalis*), ascarids (*Parascaris equorum*), large strongyles (*Strongyle vulgaris*, *Strongyle edentatus*, *Strongyle equinus*), small strongyle species and pinworms (*Oxyuris equi*).

For the removal of large and small strongyles, bots, large roundworms (ascarids), and pinworms in horses. It is important to read and understand product circular before using. Symptoms of overdosage are ataxia and colic. Antidote: atropine, 100 mg. or 1½ gr. per 1,000 lb. bodyweight.
CAUTION: Not to be used in horses intended for use as food.

8.6 oz. (10 Cap-tabs) **R391**

Dyrex* (trichlorfon)

CAP-TAB® #500

Anthelmintic for Horses

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

WARNING: Keep out of reach of children. See side panel for additional cautions.

Fort Dodge Laboratories, Inc.
 Fort Dodge, Iowa 50501

Each CAP-TAB contains:

Active ingredient:
 Dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate** 18.2 Gm. (75%)
 Inert ingredients: 6.1 Gm. (25%)
 Total Weight: 24.3 Gm.

DOSAGE: For removal of bots, strongyles, ascarids and pinworms, 1 Cap-tab for each 500 lb. bodyweight. For removal of bots only, 1 Cap-tab for each 1000 lb. bodyweight. Do not fast horses before or after treatment. Mares heavy with foal should not be wormed.

*Trade mark **U. S. Patent 2,701,225; Canadian Patent 521,319; Chemagro Corporation, licensee.

Made in U.S.A. E.P.A. Reg. No. 1117-43 **CGB**

Lot
 No.

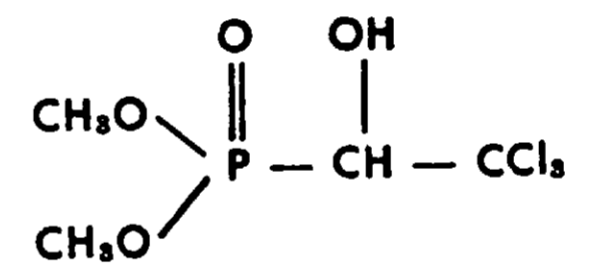
FOR INFORMATION ONLY
 READ UNDER NO. 10
 TO ATTACHED COMMENTS.



Dyrex* (Trichlorfon) Cap-Tab®

Anthelmintic for Horses

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8.6 oz. (10 Cap-tabs) **FORT DODGE** R391

Dyrex* (trichlorfon)

#500

Anthelmintic for Horses

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Fort Dodge Laboratories, Inc.
 Fort Dodge, Iowa 50501

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*Trademark **U. S. Patent 2,701,225; Canadian Patent 529,379; Chemagro Corporation, licensee.
 Made in U.S.A. E.P.A. Reg. No. 1117-43 **CSB**

Lot
 No.

FOR INFORMATION
ED UNDER NO. 100-100000000
TO ATTACHED COMMENTS.

ADMINISTRATION

Preferably, all horses should be treated 1 month after the first killing frost and 1 month after being on pasture. Horses grazing on good pasture may be given Dyrex at any time, but those being kept in barns or stables should be treated following their regular ration of hay or grain. Do not fast animals either before or after treatment.

The animal's weight should be carefully estimated and the recommended dosage used. Dyrex (trichlorfon) Cap-tabs are scored to facilitate accurate therapeutic dosage.

Since the oral administration of any large object may result in choke, never attempt to administer a Cap-tab that is obviously too large for the horse. While there is no infallible rule, the following table will serve as a guide in selecting the one of proper size.

Give Size	Only to Horses Weighing
#500	At least 900 lb.
#400	At least 700 lb.
#300	At least 300 lb.

Note: These are not recommended dosages, but merely suggested sizes to be administered. To facilitate swallowing, the Cap-tab should be well covered with petrolatum or obstetrical lubricant before administration. (Certain practitioners have reported that a sheet of tissue wrapped around the Cap-tab also serves this purpose.) If two or more Cap-tabs are to be administered to the same animal, it is important that each has been swallowed and passed completely down the esophagus before the next is given.

DOSAGE

For removal of bots (*Gastrophilus nasalis*, *Gastrophilus intestinalis*), ascarids (*Parascaris equorum*), strongyles (*Sitongyle vulgaris*, *Strongyle edentatus*, *Strongyle equinus*), pin-

worms (*Oxyuris equi*) and small strongyle species:

Adult horses: One #500 Cap-tab per 500 lb. bodyweight or one #400 Cap-tab per 400 lb. bodyweight.

Light yearlings: One #300 Cap-tab per 300 lb. bodyweight.

Ponies and foals: One #200 Cap-tab per 200 lb. bodyweight.

For removal of bots (*Gastrophilus nasalis*, *Gastrophilus intestinalis*) only, use a half dose.

It is important that precautions be read before administration.

PRECAUTIONS

Field experience with Dyrex (trichlorfon) Cap-tabs in pregnant animals would indicate no adverse effects. However, such treatment has historically been considered risky with any anthelmintic and accordingly treatment of mares in late pregnancy is not recommended. Surgery or any severe stress should be avoided for at least 2 weeks before or after treatment. Do not administer to sick, toxic or debilitated horses.

Warning: Dyrex (trichlorfon) Cap-tab is a cholinesterase inhibitor. Do not use this product in horses simultaneously or within 2 weeks before or after treatment with or exposure to cholinesterase inhibiting drugs, pesticides or chemicals. Examples of these are succinylcholine, organophosphorus and carbamate insecticides, eserine and prostigmine.

SIDE EFFECTS

A loosening of the stool may occasionally be seen several hours after treatment. Symptoms of overdose are colic, diarrhea and ataxia, and appear within 1 to 3 hours after treatment. Such symptoms are usually transient and persist only briefly. Atropine (5 to 10 mg./100 lb. bodyweight), administered to effect and repeated as

necessary, is the antidote to aid in the control of these symptoms. Administer $\frac{1}{4}$ of dosage I.V. and remainder I.M. or S.Q.

WARNING

May be harmful or fatal if swallowed. Not for human use. Avoid contact with skin. Wash hands with soap and water after use and before eating and smoking. If swallowed by humans, induce vomiting by giving 2 table-spoonfuls of salt in a glass of water. Call physician immediately. Keep out of reach of children.

PHYSICIAN: This material is a cholinesterase inhibitor. Atropine is an antidote. Give supportive treatment. Do not walk patient nor give morphine.

CAUTION

Federal Law restricts this drug to use by or on the order of a licensed veterinarian. Not to be used in horses intended for use as food.

HOW SUPPLIED

Bottle 20 #200 (one for each 200 lb. bodywt.).
Bottle 15 #300 (one for each 300 lb. bodywt.).
Bottle 12 #400 (one for each 400 lb. bodywt.).
Bottle 10 #500 (one for each 500 lb. bodywt.).

Fort Dodge Laboratories, Inc.
Fort Dodge, Iowa 50501

*Trademark

**U. S. Patent 2,701,225; Canadian Patent 529,379;
Chemagro Corporation, licensee.

Printed in U.S.A.

CGB

Feb., 1972

CAUTION: Not to be used in horses intended for use as food.

For the removal of large and small strongyles, bots, large roundworms (ascarids), and pinworms in horses. It is important to read and understand product circular before using. Symptoms of overdose are ataxia and colic. Antidote: atropine, 100 mg. or 1½ gr. per 1,000 lb. body weight.

8.6 oz.
(10 Cap-tabs) **FORT DODGE** R391
Dyrex^{*}
CAP-TAB[†] (trichlorfon)
#500

Anthelmintic for Horses

CAUTION: Federal Law restricts this drug to use by or on the order of a licensed veterinarian.

WARNING: Keep out of reach of children. See side panel for additional cautions.

FORT DODGE LABORATORIES, INC.
Fort Dodge, Iowa 50501

Each CAP-TAB contains:

Active ingredient:
0,0-dimethyl, 2,2,2-trichloro-1-hydroxyethyl phosphonate^{**} 18.2 Gm. (75%)
Inert ingredients: 6.1 Gm. (25%)
Total weight: 24.3 Gm.

DOSAGE: For removal of bots, strongyles, ascarids and pinworms, 1 Cap-tab for each 500 lb. body weight. For removal of bots only, 1 Cap-tab for each 1000 lb. body weight. Do not fast horses before or after treatment. Mares heavy with foal should not be wormed.

^{*}Trademark of related company.
[†]725,000 of related company.
^{**}U. S. Patent 2,701,225, and Canadian Patent 529,379, Chemagro Corporation, licensee.
U.S.D.A.Reg.No. 1117-43
Made in U.S.A.



Dyrex^{*}
(Trichlorfon)
Cap-Tab[†]

Anthelmintic for Horses

Contains the organic phosphate compound 0,0-dimethyl 2,2,2-trichloro - 1 - hydroxyethyl phosphonate^{**}, having the following structural formula:



ACCEPTED
MAY 08 1972
U.S. DEPARTMENT OF AGRICULTURE
FEDERAL REGISTER
U.S. PATENT OFFICE
REGISTERED UNDER NO. 1117-43 SUBJECT TO ATTACHED COMMENTS.

ACCEPTED

MAY 06 1972

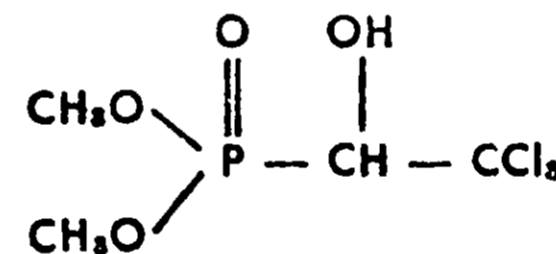
THE FEDERAL INSECTICIDE
AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 1117-23 SUBJECT
TO ATTACHED COMMENTS.



Dyrex*
(Trichlorfon)
Cap-Tab†

Anthelmintic for Horses

Contains the organic phosphate compound 0,0-dimethyl 2,2,2-trichloro-1-hydroxyethyl phosphonate**, having the following structural formula:



This compound paralyzes and kills both adult and immature nematodes and insects. It apparently acts on the central nervous system of the parasite, resulting in muscular paralysis and death.

By formulating Trichlorfon into a Cap-tab, a slower and more sustained release of the active ingredient has been achieved, enhancing both safety to the host and effectiveness against intestinal parasites.¹ Extensive field trials and professional use of the Cap-tabs have confirmed this safety and also high efficacy against bots, ascarids, strongyles and pinworms.

GENERAL INFORMATION

Preferably, all horses should be treated 1 month after the first killing frost and 1 month after

¹ Trace J. L. et al. Vet. Med. 57:143 (1962)

MAY 0 1972

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
AND ECONOMIC POISON, REGISTERED
UNDER NO. 1117-43 SUBJECT
TO ATTACHED COMMENTS.

being on pasture. Ascarids, pinworms and strongyles are usually removed within 3 days of treatment, bots by the 5th to 7th day.

A loosening of the stool may occasionally be seen several hours after treatment. Symptoms of overdosage are colic, diarrhea and ataxia, and appear within 1 to 3 hours after treatment. Such symptoms are usually transient and persist only briefly. Atropine (5 to 10 mg./100 lb. bodyweight), administered to effect and repeated as necessary, is the antidote to aid in the control of these symptoms. Administer $\frac{1}{4}$ of dosage I.V. and remainder I.M. or S.C.

If desired, one of the oxime compounds which accelerate recovery of cholinesterase (such as 2-PAM, Protopam chloride) may be given in conjunction with the atropine.

PRECAUTIONS

Field experience with Dyrex Cap-tabs (trichlorfon) in pregnant animals would indicate no adverse effects. However, such treatment has historically been considered risky with any anesthetic and accordingly treatment of mares in late pregnancy is not recommended. Surgery or any severe stress should be avoided for at least 1 week before or after treatment. Increased side effects may be observed if the horse is being treated with a cholinesterase inhibitor, such as succinylcholine or organophosphorus and carbamate insecticides. Use of such agents should also be avoided for at least 1 week before and after treatment. Do not administer to sick, toxic or debilitated horses.

ADMINISTRATION

Horses grazing on good pasture may be given Dyrex at any time, but those being kept in barns or stables should be treated following their regular ration of hay or grain. Do not fast animals either before or after treatment.

The animal's weight should be carefully estimated and the recommended dosage used. Dyrex Cap-tabs (trichlorfon) are scored to facilitate accurate therapeutic dosage.

Since the oral administration of any large object may result in choke, never attempt to administer a Cap-tab that is obviously too large for the horse. While there is no infallible rule, the following table will serve as a guide in selecting the one of proper size.

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#500	At least 900 lb.
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#300	At least 300 lb.

Note: There are not recommended dosages, but merely suggested sizes to be administered.

To facilitate swallowing, the Cap-tab should be well covered with petroleum or obstetrical lubricant before administration. (Certain practitioners have reported that a sheet of tissue wrapped around the Cap-tab also serves this purpose.) If two or more Cap-tabs are to be administered to the same animal, it is important that each has been swallowed and passed completely down the esophagus before the next is given.

DOSAGE

For removal of strongyles, ascarids, pinworms and bots:

Adult horses: One #500 Cap-tab per 500 lb. bodyweight or one #400 Cap-tab per 400 lb. bodyweight.

Light yearlings: One #300 Cap-tab per 300 lb. bodyweight.

Ponies and foals: One #200 Cap-tab per 200 lb. bodyweight.

For removal of bots only, use a half dose.

It is important that precautions be read before administration.

ACCEPT

MAY 06 1

RECEIVED BY THE FEDERAL
AGENCY FOR ECONOMIC POISON
CONTROL UNDER NO. 1117
TO ATTACHED COMM

CAUTION

Federal Law restricts this drug to use by or on the order of a licensed veterinarian. Not to be used in horses intended for use as food.

WARNING

Keep out of reach of children. If swallowed by humans, induce vomiting by giving 2 tablespoonfuls of salt in a glass of water. Call physician immediately. Wash hands immediately after use.

PHYSICIAN: This material is a cholinesterase inhibitor. Atropine is an antidote. Give supportive treatment. Do not walk patient nor give morphine.

HOW SUPPLIED

Bottle 20 #200 (one for each 200 lb. bodywt.).
Bottle 15 #300 (one for each 300 lb. bodywt.).
Bottle 12 #400 (one for each 400 lb. bodywt.).
Bottle 10 #500 (one for each 500 lb. bodywt.).

Fort Dodge Laboratories, Inc.
Fort Dodge, Iowa 50501

*Trademark of related company.

†\$725,000 of related company.

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Chemagro Corporation, licensee.

Printed in U.S.A.

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June, 1968