WHY INJECT MULTIMIN® 90 AT PREG-CHECK?

- Pregnancy is a period of increased demand in trace minerals for both the cow/heifer and her fetus. Consequently, both are vulnerable to trace mineral imbalances.
- Availability and quality of nutrients vary seasonally for grazing cattle, so the daily trace mineral intake varies.
- Antagonists may be present in feed and water. In the Midwest, iron in soil on silage causes manganese deficiencies in pregnant animals resulting in dwarf-like calves.
- Trace mineral deficiencies impact calf health and performance like white muscle disease in calves due to selenium deficiency, scours, and BRD.

MULTIMIN® 90 is easy-to-use trace mineral insurance for both the cow/heifer and her calf.

CAN YOU AFFORD NOT TO INJECT?

At the label dose of 1ml/200lbs BW for a 1000lb cow older than 2 years, the MULTIMIN® 90 dose will be 5ml. This 2-in-1 treatment for the cow and her fetus is less than $3.00.

KEEP OUT OF REACH OF CHILDREN

MULTIMIN® 90

An injectable aqueous supplemental source of zinc, manganese, selenium, and copper

CAUTION: FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON THE ORDER OF A LICENSED VETERINARIAN.

ACTIVE SUBSTANCES PER ML:

Zinc	60 mg/mL
Manganese	10 mg/mL
Selenium	5 mg/mL
Copper	15 mg/mL

OTHER SUBSTANCES:
Chlorocresol 0.1% w/v (as preservative).

DOSAGE RECOMMENDATIONS:

CALVES: Up to 1 year	1 mL/per 100 lbs. bodyweight
CATTLE: From 1-2 years	1 mL/per 150 lbs. bodyweight
CATTLE: Over 2 years	1 mL/per 200 lbs. bodyweight

PRECAUTION:
Selenium and copper are toxic if administered in excess.

Always follow recommended label dose. Do not overdose.

It is recommended that accurate body weight is determined prior to treatment.

Do not use concurrently with other injectable selenium and copper products.

Do not use concurrently with selenium or copper boluses.

Do not use in emaciated cattle with a BCS of 1 in dairy or 1-3 in beef.

Consult your veterinarian.

CAUTION:
Slight local reaction may occur for about 30 seconds after injection. A slight swelling may be observed at injection site for a few days after administration. Use standard aseptic procedures during administration of injections to reduce the risk of injection site abscesses or lesions.

WITHDRAWAL PERIOD:
Meat 14 days. Milk zero withdrawal.

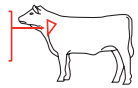
DIRECTIONS:
This product is only for use in cattle.

MULTIMIN® 90 is to be given subcutaneously (under the skin) ONLY.

It is recommended to administer the product in accordance with Beef Quality Assurance (BQA) guidelines. Minimum distance between injection sites for the MULTIMIN® 90 product and other injection sites should be at least 4 inches.

Inject under the loose skin of the middle of the side of the neck. Max volume per injection site is 7 ml.

Subcutaneous injection in middle of side of neck.



Store Between 15°C and 30°C (59°F and 86°F).

SUPPLEMENTATION PROGRAM	
BULLS	3 times per year
BEEF COWS	4 weeks before breeding 4 weeks before calving
DAIRY COWS	4 weeks before calving 4 weeks before insemination at dry-off
CALVES	at birth at 3 months and/or weaning
HEIFERS	every 3 months – especially 4 weeks before breeding
(program gives planned dates that can be varied to suit management programs)	

DOSAGE TABLE

ANIMAL WEIGHT (lbs)	CALVES UP TO 1 YEAR 1 ml/100 lb BW	CATTLE 1 - 2 YEARS 1 ml/150 lb BW	CATTLE > 2 YEARS 1 ml/200 lb BW
50	0.5 ml	-	-
100	1 ml	-	-
150	1.5 ml	-	-
200	2 ml	-	-
300	3 ml	-	-
400	4 ml	-	-
500	5 ml	-	-
600	6 ml	-	-
700	7 ml	-	-
800	-	5.3 ml	-
900	-	6 ml	-
1000	-	6.6 ml	5 ml
1100	-	-	5.5 ml
1200	-	-	6 ml
1300	-	-	6.5 ml
1400	-	-	7 ml

Packaged in 100 mL & 500 mL size NDC No. 49920-006-01 NDC No. 49920-006-05

TAKE TIME OBSERVE LABEL DIRECTIONS

MANUFACTURED FOR:
MULTIMIN® NORTH AMERICA, INC.
Fort Collins, CO 80528

℞



℞ REQUIRED

www.savethelung.com
1.866.269.6467

MULTIMIN® 90 IS AN INJECTABLE TRACE MINERAL SUPPLEMENT, BUT IT IS SO MUCH MORE. IT IS:

- The spared stress and sorrow of treating a sick calf.
- The feeling of satisfaction when a truckload of healthy cattle leaves your ranch.
- The relief when you pocket that extra dollars for your family.

Strategic **MULTIMIN® 90** injections help to fill voids in your free-choice oral trace mineral supplementation especially at key economic time points like vaccination, pre-calving and pre-breeding.

Why Inject? Because:

- You improve the trace mineral status of your cattle the same day that they are treated.
- An injectable bypasses the rumen and intestinal tract where absorption is low and dietary antagonists are present.
- You time supplementation to suit your management program and your cattle.
- You ensure every animal is supplemented and performance ready.
- You don't have to worry about variable oral feed/ trace mineral supplement intake.

Injecting Trace Minerals is Effective

A new Iowa State University study[1] proved that injecting trace minerals is an effective way to improve the trace mineral status of cattle and showed oral pastes and drenches are affected by:

- Low rates of intestinal absorption regardless of source
- Antagonists such as sulfur, molybdenum, iron in the rumen

1. Jackson, Trey D., et al. "Comparison of multiple single-use, pulse-dose trace mineral products provided as injectable, oral drench, oral paste or bolus on circulating and liver trace mineral concentrations of beef steers." Applied Animal Science vol. 36, 2020, pp. 26-35.

Make MULTIMIN® 90 Your Choice for Injectable Selenium Products

Why inject only selenium – just one (1) piece of the trace minerals puzzle – when you can inject the same dosage rate and source of selenium plus copper, zinc and manganese – four (4) pieces of the puzzle – for the same effort?[1]

1. Louder, C.J., et al. "Evaluation of Response and Safety to Parenteral Trace Mineral Supplementation in Idaho Neonatal Dairy Hutch Calves." AABP Proceedings, vol. 44, p174.



DON'T VACCINATE WITHOUT MULTIMIN® 90

The trace minerals in **MULTIMIN® 90** are critical for a proper vaccine response, immunity and disease protection.

- Cattle use trace minerals in large quantities when under stress and while responding to a vaccine, because the immune system is working harder.
- The immune system becomes less effective and disease more likely as body trace mineral reserves are depleted.

Several peer-reviewed, published university studies have shown that calves treated with **MULTIMIN® 90** at the same time vaccines were administered had:

- Earlier and stronger vaccine response.
- More calves respond to vaccines with less risk of disease transmission.
- Fewer signs of disease after a disease challenge.
- Improved average daily gain for dairy calves after a disease challenge.

We have the data to prove it! Talk to your **MULTIMIN USA** representative.

PREVENTION VS. TREATMENT

Which is the better investment of $1,200 in your cattle operation?



5 x 500ml **MULTIMIN® 90** to inject

500 500-lb BW calves

- support response to vaccines
- help prevent disease

OR



1 x 250ml antibiotic to treat

50 500-lb BW sick calves

- Time wasted pulling sick calves and cost of other treatments
- Lost future performance

DON'T COMPROMISE HERD HEALTH – INJECT MULTIMIN® 90

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