

# Thorvin and Cows - FAQ

#### 1. What is Thorvin?

Thorvin is a 100% natural feed supplement for supporting optimal livestock health. Sourced from the cleanest seaweed beds on Earth, Thorvin contains a complex array of bioavailable minerals, vitamins, and beneficial phytonutrients. Dried at controlled low temperatures, Thorvin is concentrated and readily utilized – for just pennies a day.



# 2. Why feed Thorvin to cows?

Thorvin is the world's finest nutrient source for more than 60 micro- and phytonutrients, which support immune, metabolic, reproductive, and digestive function in livestock.

#### 3. How does Thorvin work?

- Thorvin works by filling in trace mineral deficiencies. (See table below.)
- > A 100% kelp-based source of iodine, Thorvin naturally supports thyroid and metabolic health.
- > Bioactive compounds, such as polysaccharides, promote ruminant activity and immune function.

	Ca	Со	Cu	ı	Fe	Mg	Mn	Р	K	Na	Se	S	Zn
										Cl			
Reproductive Health													
Conception	Χ						Χ	Χ			Χ		Х
Calving		Χ		Χ	Χ	Χ		Χ	Χ				
Calf Development													
Weight gain		Χ	Χ					Χ		Χ		Χ	Х
Calf strength	Χ		Χ		Χ	Χ		Χ	Χ		Χ	Χ	Х
Disease Prevention													
Pink eye			Χ	Χ							Χ		
Hoof rot			Χ	Χ									Х
Hairy warts			Χ										Χ

### 4. What are the feeding rates for dairy and beef cattle?

Feed Thorvin as a percentage of grain ration or free-choice, alone or with salt. Thorvin is the most nutrient-dense kelp supplement on the market (e.g., one-third less moisture and 30% more iodine), so you get more and need less. It only takes small amounts to deliver benefits to livestock at all stages of life. **See reverse for detailed feeding rates.** 

# Suggested Feeding Rates Per Day – Thorvin

Feed 1/2 ounce of Thorvin per 250 lbs of body weight. Mix in feed at 1 to 2% of grain ration or 0.1 to 0.5% of Dry Matter Intake (DMI).

Thorvin can also be fed free choice, alone or with salt, or top dressed.

Stage of	.,	% of Grain	Oz. / Head /	Free Choice	
Production	% of DMI	Ration	Day*		
Heifers &	0.5%	2%	1/2 - 2 oz.	Yes	
Calves	0.5%	Z 70	1/2 - 2 02.	162	
Cows	0.5%	2%	1 - 4 oz.	Yes	
Bulls and	0.5%	2%	1 - 4 oz.	Voc	
Steers	0.5%	2%	1 - 4 02.	Yes	

<sup>\*</sup> ½ oz. = 1 Tbsp. 2 oz. = ¼ cup

Free-choice Feeding
Cows tend to self-regulate freechoice consumption of Thorvin to
levels consistent with recommended
rates. When feeding Thorvin free
choice, provide one covered mineral
feeder for every 25-30 animals. Also
make sure animals have access to
salt and clean water.

For more info about Thorvin mineral feeders, email <a href="mailto:info@thorvin.com">info@thorvin.com</a> or call 800.464.0417.

#### 5. How is Thorvin different from other kelp supplements?

Thorvin delivers more nutrients and value per pound, as verified by independent testing.

- One-third less moisture
- > 30% more iodine
- Greater ash content
- Only kelp feed supplement with guaranteed selenium, zinc, copper, or cobalt

### 6. Is Thorvin organic?

Yes, Thorvin is Certified 100% Organic and is the #1 organic feed supplement. Please note that any kelp products used on organic operations must be Certified Organic.

## 7. What do experts say about Thorvin?

"When minerals are lacking, you start to see lame animals. We use Thorvin because it helps keep our herd healthy." Angel Lopez, Dairy Herd Manager, EcoDairy Farms (CA)

"After switching to Thorvin the results are great. I've noticed fewer cases of pinkeye in my animals on pasture. The higher Iodine content and available trace minerals keep my animals healthy."

Jonathan Borntreger, Dairy Farmer (MN)

"Thorvin keeps our herd healthy and balanced by filling in whatever nutrients the cows are lacking. We get results: It helps with hoof problems, runny noses, and herd health. We don't have vet bills and Thorvin helps keep it that way." Tony Azevedo, Azevedo Organics & Past President, WODPA (CA)

"Thorvin kelp boosts the animals' immune system and slickens up their hair coat. There was a time when I pulled it out of my dairy ration to try and cut costs, but within one month my Somatic Cell Count (SCC) started to rise, and the shine came off the cow's hair coat. After putting the cows back onto Thorvin, the SCC came back down and the shine came back. I've come to the conclusion that Thorvin is one of those things I don't want to be caught without."

Paul Klinkner, Dairy Farmer (WI)

"When I encounter Hairy Warts, Pinkeye, Ringworm, or breeding problems, I ask, 'Are you on Thorvin?'"
Paul Detloff, DVM & Livestock Consultant (WI)

© 2017 Thorvin, Inc. Thorvin-FAQ-COWS-010417

Thorvin and World's Finest Nutrients are trademarks of Thorvin, Inc.