



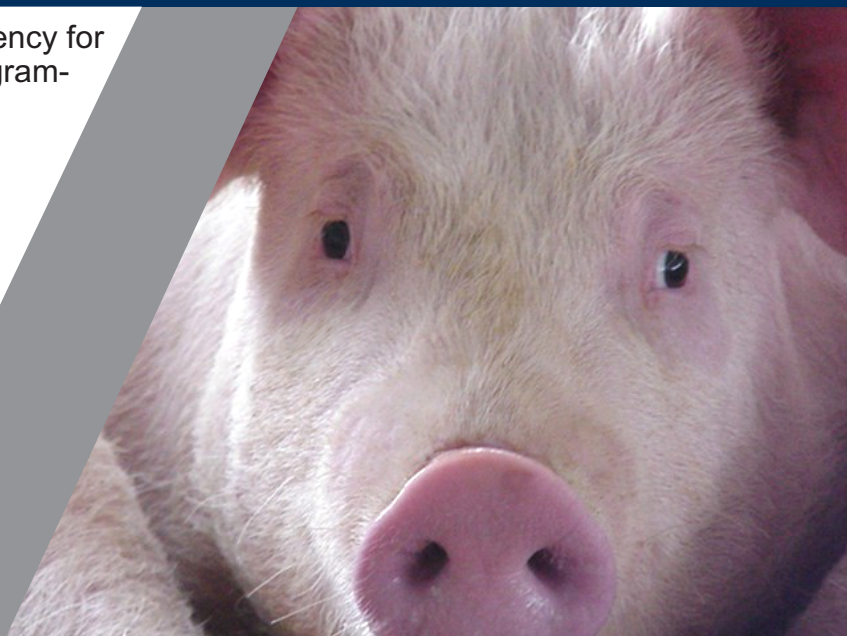
NDF
(Sodium Diformate)

THE QUALITY ENHANCER

FORMi® NDF sodium diformate improves efficiency for pigs and offers an alternative to antibiotics for gram-negative bacteria post-weaning.

FORMi® NDF fulfills these demands:

- Strong anti-microbial effects
 - E. coli
 - Salmonella
 - Campylobacter
- Safe and easy handling
 - Non-corrosive
- Optimized feed efficiency
- Supports growth performance



MODE OF ACTION

Large intestine

- Promotes the beneficial microflora
- Reduces coliforms and salmonella

Small intestine

- Decreases pH by 0.3 to 0.5 units
- Decreases coliforms and salmonella
- Improves digestibility of nutrients

Stomach

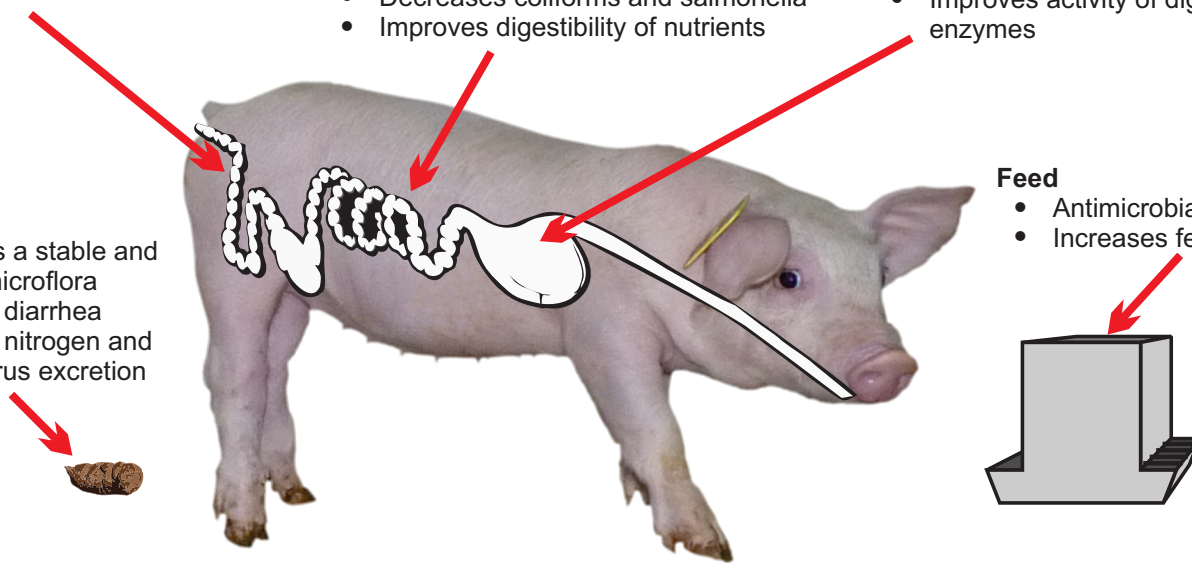
- Decreases pH
- Reduces coliforms and salmonella
- Improves activity of digestive enzymes

Feces / urine

- Promotes a stable and normal microflora
- Reduces diarrhea
- Reduces nitrogen and phosphorus excretion

Feed

- Antimicrobial effects
- Increases feed intake



Trial 2:
Daily Weight Gain, FCR & Mortality (71-day nursery)

	Control	0.4% FORMI® NDF	Difference (%)
Daily Weight Gain (lbs)	1.46	1.57	+8.0
FCR	1.64	1.58	-3.7
Mortality (%)	3.8	2.6	-31.6

Astion Europe, 2012

Trial 3:
Performance parameters and gastrointestinal pH and pathology of pigs fed 0.5% FORMI® NDF for 40 days (IW: 95 lbs.)

	Negative Control	.5% FORMI® NDF	Difference (%)
Final weight (lbs)	146.17 ^a	160.72 ^b	+10.0
ADG [lb/d]	1.25	1.67	+31.5
Pathological signs GIT [%]	40 ^a	0 ^b	-100
Stomach pH	5.1 ^a	4.5 ^b	-0.6 units

Lückstädt and Lorenz, 2015

Trial 4:
Impact of FORMI® NDF on piglet ADG and Gain:Feed ratio until 21 days post-weaning under poor sanitary conditions (IW: 16.8 lbs)

	Control	1.2% FORMI® NDF	Difference (%)
ADG [lb/d]	0.95 ^a	1.07 ^b	+13.0
Gain: Feed Ratio	0.705 ^a	0.76 ^b	+7.5
ATTD of CP [%]	77.0 ^a	80.0 ^b	+3.9

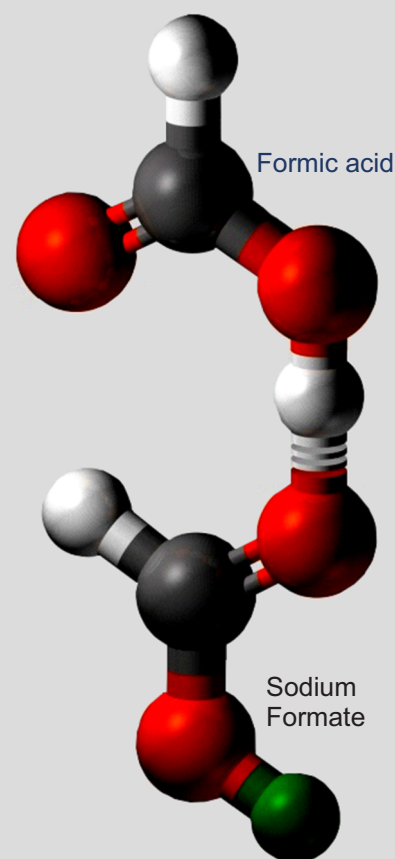
*ATTD: Apparent Total Tract Digestibility
University of Alberta - Canada, 2017

Packaging: 55 lb. plastic bag
Storage: cool, dry place
Shelf life: 18 months

Composition:

Formi NDF is manufactured under patented technology and is a unique combination of Formic acid and sodium formate.

Diformate



Recommended Dosages



Sows: 14-18 lbs/t of feed



Piglets: 10-20 lbs/t of feed



Growers: 10-12 lbs/t of feed