



Developing Products Of Tomorrow

About us

Kemit is a fast growing company established in 2005 based on scientific bases and experience roots in field of animal nutrition using communication with EU & USA researchers.

Kemit devotes its efforts in nutrition to supply special products for improving animal production with healthy milk ,meat and eggs for human health life.

Kemit trend & concept is producing products rich in Omega-3 to improve health and productivity for animal husbandry.

Vision-Mission -values

**Focus on developing nutrition by functional
Feed & Food**

**Customers are our partners for Development
and Success**

**Developing the product of tomorrow.
Innovations – Experiments - Achievements**

Quality & Production

- Kemit committed to ensure production process follow the Global Standardization of quality & Good Manufacturing Practice.

- Kemit AWARDED ISO Accreditation:
 - ISO 9001
 - ISO 22000/1
 - OHSAS 18001
 - We are in process for ISO 17025 (Specific For Laboratory)

Products



ProOmega3™

Produce omega-3 enriched milk.



GROW[®]
PLUS

Omega-3 & Protein For Fattening Animals
to improve Daily gain & meat quality



ProOmega3™-P

Produce omega-3 enriched Egg & Meat.



OMEGA
STAR

Starter feed for calves rich in Omega3



Mix-ProOmega3™
Dairy
Formula

Improve reproduction, milk yield &
immunity

HORSES
NUTRITION
CONCENTRATE FEED MIXTURE RICH IN
OMEGA-3



Trans-Guard™

Special formula for Ketosis



SOYAPRESS

Rumen-bypass protein and fat

Quality Control Lab



The Lab is equipped with Advanced technology for chemical analysis, and managed by expert chemists

Kemit committed to ensure high quality raw materials & to confirm products analysis specs

Production Facilities

- Annual Production Capacity 80K metric tons.
- 2020 our plan to reach 150K metric tons.

ProOmega3™ Progress

- In 2011, R&D Team started to work on the know-how to produce omega-3 enriched products for dairy feed.
- Third Quarter of 2012, We had our first production to start field trials.
- End 2012 — Jan 2013 ,We conducted **5** successful trials in modern equipped organized farms in Egypt.
- May 2015, We started to Supply ProOmega3™ To Al-Enmaa Farm (owned by Juhayna).
- In Feb 2016, Launched for first batch of enriched milk with Omega-3 (Juhayna 1-2-3 & Juhayna 4-5-6)
- Up to Date we supply Al-Enmaa Farm(Juhayna)



- In parallel with **Promega3**, We created **Mix-promega3** formula for dairy farms to get the benefits of omega-3 for cows mainly.
- Due to success of the product, we now supply more than 50% of Organized Dairy Farms in Egypt.
- Meeting market demand , We are expanding our production capacity to cover more domestic customers and abroad.

Mix-ProOmega³™ Dairy Formula

The natural and most
economical source of Omega3
for dairy cows.

Mix-ProOmega3TM Dairy Formula



Unique blend of processed natural whole seeds



Mix-ProOmega3™
Dairy
Formula

Omega-3

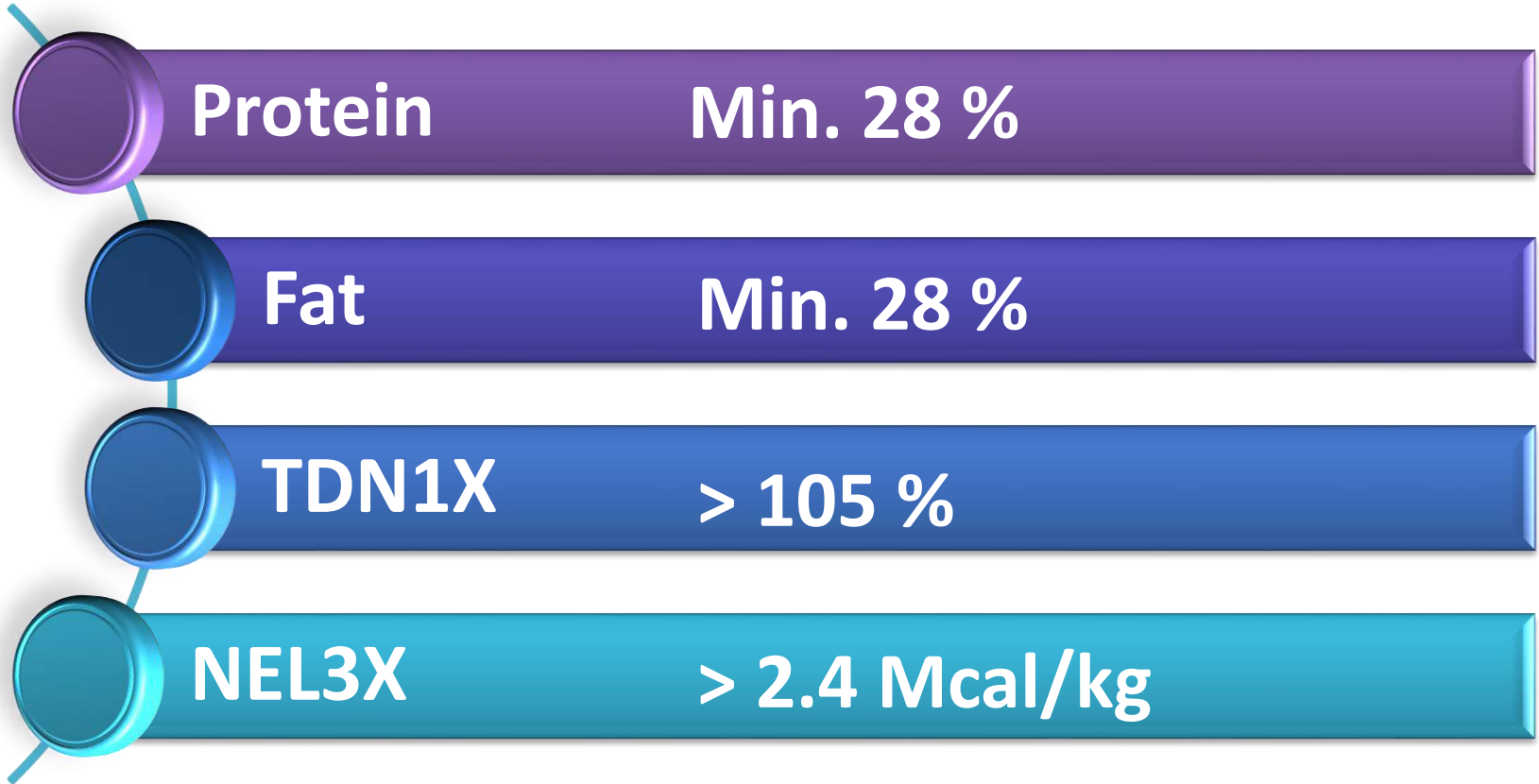
**3 In 1
Product**

Mix-ProOmega3™
Dairy
Formula

By-Pass
Fat

By-Pass
Protein

Analysis



How can you feed Mix-ProOmega3TM Dairy Formula ?

- Up to 10% of Dry Matter Intake of TMR
- Cattle and Buffalo: 2Kg/Head/Day
- Pre-Calving Cows: 1Kg/Head/Day

Mix-ProOmega3TM Dairy Formula **ADD VALUE**

1. Dairy Farm Economics.
2. Dairy Herd (from Calf to Mature cow).

1. Dairy Farm Economics.



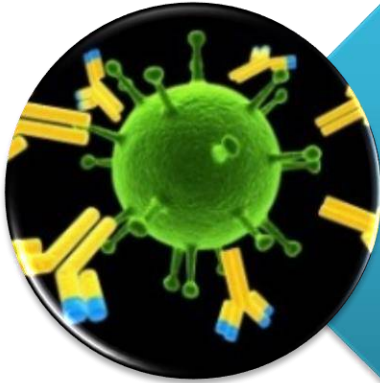
IMPROVE MILK PRODUCTION

Mix-ProOmega3™ Dairy Formula

1

Liter/cow/day

2. Dairy Herd



Improve Health
& Immunity



Improve Fertility

1- Increase IgG Concentration in Colostrum

Ref. Jose E.P. Santos et al. 2013

2- Improve absorption of IgG by Calves

Ref. Jose E.P. Santos et al. 2013

3- Reduce Hepatic fat Accumulation

Ref .Wenxia Lu et al 2016

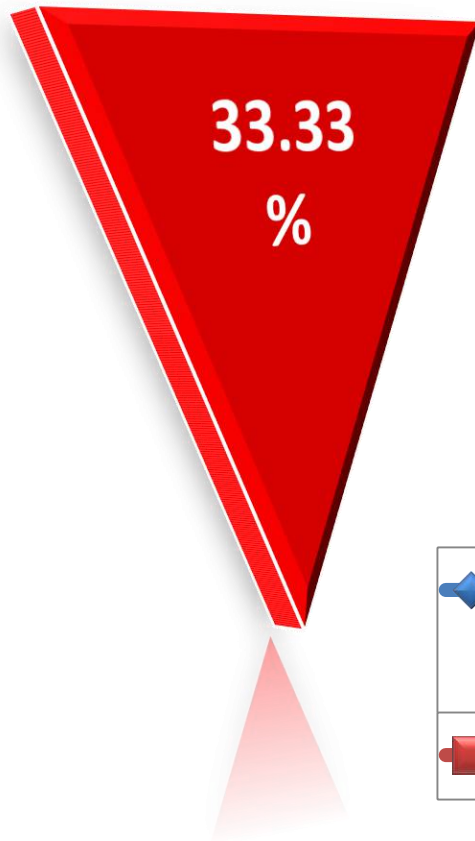
4- Increase Glycogen Storage in Liver

Ref .Wenxia Lu et al 2016

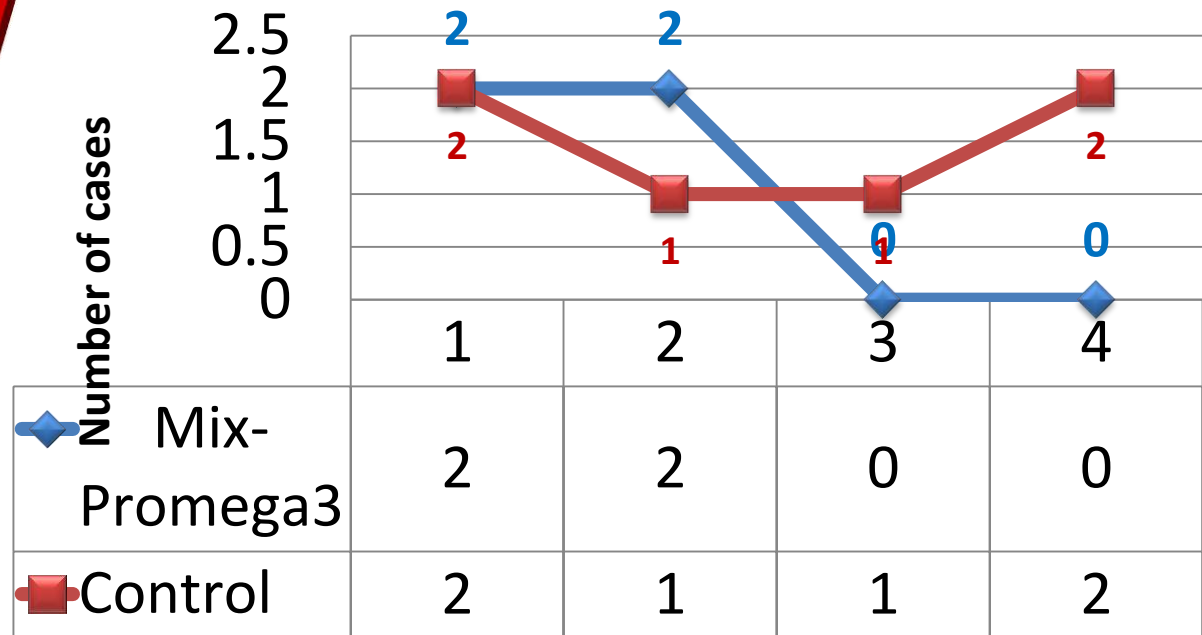
5- Decrease incidence of mastitis

Ref .Aitken et al., 2009; Sordilo & Aitken, 2009 & Sordilo, 2011

Trial's Results- Clinical Mastitis Cases



Clinical Mastitis Cases



Benefits for Fertility

- 1- Increase pregnancy rate & reduce abortions**
- 2- Increase conception rate**
- 3- Reduce early embryonic death**
- 4- Improve follicular growth**

IMPROVE PREGNANCY RATE

- Omega-3 potentially increase pregnancy rates by 2 to 4%.
- One study trial reported an increase of 5 % for pregnancy Rate.
 - 2% of the gain was attributed to the effects of feeding Omega-3 **before** calving.
 - 3 % attributed to feeding Omega-3 **after** calving.
 - Every **1%** increase in the pregnancy rate = **35\$** more profit/cow/year

(Ref: RG Ovrebo, DVM 08/31/2011)

Omega-3 Reproduction Study 21-day pregnancy Rates & Reduce Abortions

21 Day Period	Eligible	Reported	Rate	Abort	Total Abort	Eligible	Reported	Rate%	Abort	Total Abort
1	152	24	15.79	2	2	133	40	30.08	1	1
2	159	23	14.47	6	8	121	17	14.05	1	2
3	172	34	19.77	4	12	132	31	23.48	3	5
4	152	25	16.45	0	12	107	24	22.43	4	9
5	138	24	17.39	3	15	101	17	16.83	1	10
6	137	26	18.98	2	17	100	18	18.00	1	11
7	120	23	19.17	0	17	100	22	22.00	1	12
	1030	179	17.38	17		794	169	21.28	12	
Abortions per 21-days Period (Avg)				2.43					1.71	
Abortions per Week (Avg)				0.81					0.57	

The above table shows the treatment group improved the pregnancy rate by **22.4%** over the control with a reduction of abortions by **29.5%**

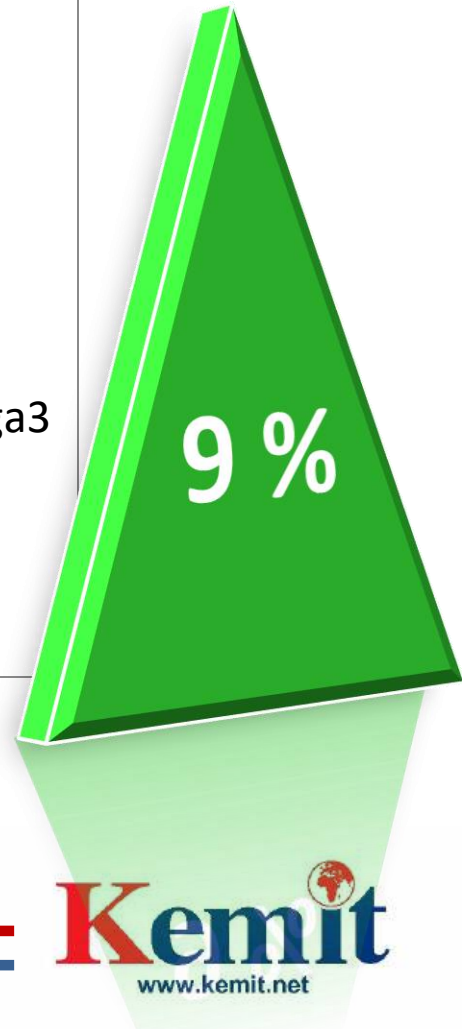
Theriogenology : 2006 May 28

Conception rate and reproductive function of dairy cows fed different fat sources from calving to 50 days of pregnancy

- Flaxseed (source of fat) ; embryo mortality , **0%**
- Megalac-R : embryo mortality , **15.4%**

Ref. Theriogenology Volume 66, Issue 5, 15 September 2006, Pages 1316-1324)

Trial's Results- Conception Rate



Effects of Omega-3 on early embryonic death

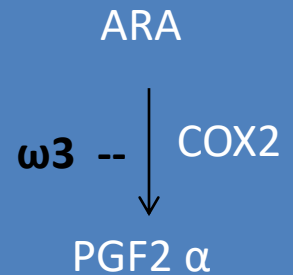
Omega-3

Depends on
 $\omega 6 : \omega 3$
ratio*

Reduced endometrial PGF2 α Production (Associated with interferon (τ), a factor that allows for embryo recognition by the uterus).

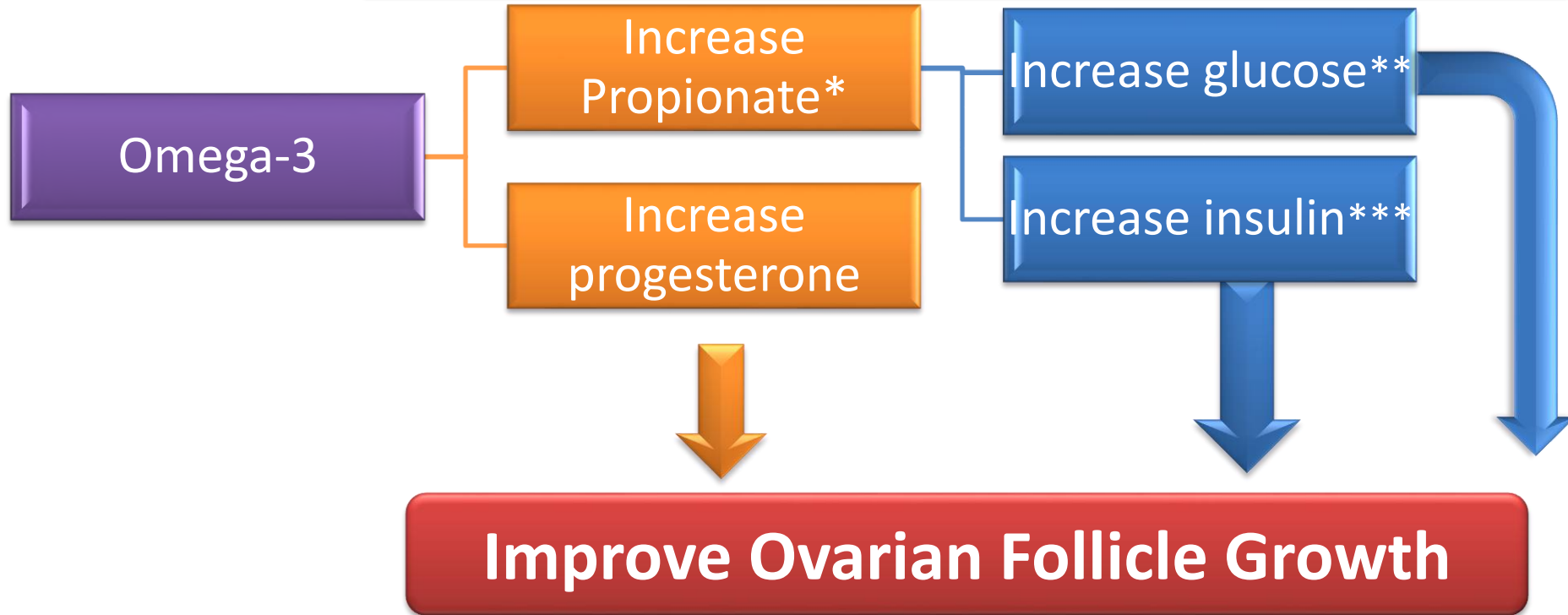
Delay Corpus luteum regression

Improving embryo survival



(Moussavi et al., 2007) & (*Caldari et al., 2006)

Effects of Omega-3 on Follicular growth



* Increase propionate produced in the rumen

** Increase glucose produced by liver

*** Increase insulin produced by pancreas

(Ponter et.al., 2006)

Final Farm Profit

- ❑ More milk per cow (1-1.5L)
- ❑ Improve pregnancy rate (20-25%)
- ❑ Reduce Abortion (25-30%)
- ❑ Decrease Mastitis (5-10%)
- ❑ Improve General health
&Immunity for all animals
(from calf to mature cow)



Mix-ProOmega³ Dairy Formula

The natural and most
economical source of Omega3
for dairy cows.

شكرا
السلام عليكم و رحمة الله
و بركاته

Thank you