

The weaning period is a very stressful moment in the life of every piglet. They move to a new environment and feed intake drops as a result. They experience the 'weaning dip'. High pre and post weaning feed intakes, together with homogenous gut fill, are essential to prevent gastro intestinal problems. To improve performance in this period Provimi has developed the innovative Micrum Technology. Micrum feeds have been shown to successfully improve piglet performance through optimal feed intake.

Micrum ensures stomach fill

One of the key features of Provimi's Micrum Technology is the production of feeds with high absorption capacity. Combined with water and gastric juices, Micrum products form a gel. This gel is highly digestible and the piglet experiences an even gut fill, in contrast to a pellet or mash based diet.

Micrum is produced via multistep processing

To produce Micrum, the selection and processing of individual raw materials is essential. An example is the inclusion of Provisoy, a processed soy protein. During the last phase of the production process a pellet is produced, broken and finely sieved. This results in a dust free Micrum structure.

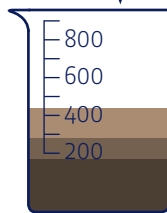
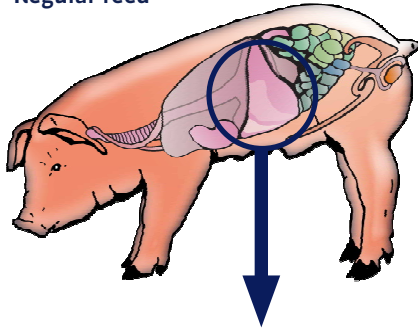
"Let your piglets eat at ease!"



provimi
shaping tomorrow's nutrition

Micrum ensures stomach fill

Regular feed

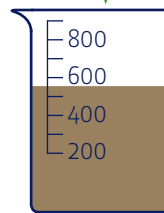
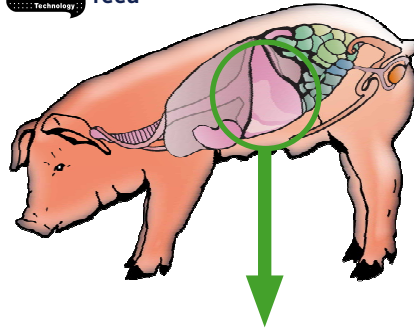


No gel effect in stomach gives:

- 1 Non homogenous stomach fill
- 2 Irregular digestion
- 3 Higher diarrhea incidences
- 4 Chance of stomach ulcers

Less uniform piglets

Micrum feed



Gel effect in the stomach gives:

- 1 Homogenous stomach fill
- 2 Regular digestion
- 3 Less diarrhea incidences
- 4 Reduced chance of ulcers

Improved growth and uniformity

Micrum Technology can be used for piglet feed and concentrates

Micrum feeds can be fed dry as well as wet. The water absorbing capacity is excellent; therefore the liquid feed is stable and very homogenous in the trough. It is also possible to apply the Micrum Technology in concentrates which increases the quality of the complete feed. The results are shown in Table 1. Between day four and 16 post weaning the growth was increased by 24% using the Micrum concentrate. Overall feed conversion ratio was reduced by 16% through improved feed conversion and a strong reduction in feed spillage.

Table 1: Results Micrum concentrate fed from day 4 to 16 days post weaning

Treatment	Mash	Micrum
Raw materials	mash	mash
Concentrate	mash	Micrum
Replicates	8	8
Weight (kg)		
Day 4 post weaning	5.8	5.9
Day 16 post weaning	7.7	8.2
Gain		
ADG 4-16 (g/day)	157 (100)	195 (124)
ADFI 4-16 (g/day)	220 (100)	232 (105)
Feed spillage (g/day)	18 ^a (100)	10 ^b (55)
FCR 4-16	1.431 ^a (100)	1.199 ^b (84)
Feed costs / kg gain (€)	0.97	0.87
Margin over feed costs (€)	1.00	1.51

^{a,b} Numbers with another superscript are significantly different, P < 0.05, ANOVA.

Using the Micrum Technology:

Provimi develops practical nutritional programs that achieve optimal piglet results. Micrum feeds are the key element in every Provimi Piglet Program used as a concentrate or complete piglet feed. Using Micrum piglet feeds maximizes piglet performance and improves overall unit profitability.

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