



AGRANA

DOSAGE RECOMMENDATION – LAYING HENS

ActiBeet® 96% – crystalline, natural and GMO-free betaine from sugar beet molasses;
 Betaine anhydrous (3a92o) – heat stable, secure and easy handling in high quality

STANDARD DOSAGE RECOMMENDATION: 1 kg/t (0,1%) of finished feed

STRATEGIC DOSAGE RECOMMENDATION:

For hot climate, heat stress or other challenging conditions:*	Inclusion rate in kg/t of finished feed	Nutritional value of betaine in mg/kg of finished feed
ActiBeet®	1	1000

**¹ as reference please see AGRANA Trial conducted in Thailand. For detailed information, please contact AGRANA.

For choline replacement (from choline chloride) For removal of total added choline chloride:**		Inclusion rate in kg/t of finished feed	Nutritional value of betaine in mg/kg of finished feed
Rearing Starter (0–4 weeks)	ActiBeet®	0.21–0.32	200–300
Rearing Grower (4–10 weeks)	ActiBeet®	0.21–0.32	200–300
Pullet (10–16 weeks)	ActiBeet®	0.42–0.52	300–400
Pre-layer 16 weeks to 2% of lay	ActiBeet®	0.42–0.52	400–500
Commercial layer from 2% to end of lay	ActiBeet®	0,42–0.63	400–600

¹ For detailed information, please contact AGRANA.

For methionine sparing effect:***	Inclusion rate in kg/t of finished feed	Nutritional value of betaine in mg/kg of finished feed
ActiBeet®	0.83	800

***¹ Please consider that only in good conditions a partial replacement (up to 10% maximum) of the total methionine is a recommended and safe strategy. In the aforementioned case, it should be ensured that there is min. level of digestible M+C in the formulation: of 6.5 g/kg feed (from 2% of lay to 28 weeks of age), and 6.0 g/kg feed (from 28 weeks to then end of lay). For further information, please contact AGRANA.

ECONOMIC EFFICIENCY:

- ✓ Promotion of health, especially gut health and lower mortality
- ✓ High quality end-products – prevention of dirty eggs
- ✓ Prevention of fat accumulation in the liver
- ✓ Improved litter quality through lower litter moisture content
- ✓ Improved laying performance
- ✓ Better production efficiency

