



# Quantum<sup>®</sup> Blue 10G

Quantum<sup>®</sup> Blue is an enhanced *E. coli*-derived phytase developed for use in animal feeds. Quantum<sup>®</sup> Blue will degrade the phytate found in plant-based ingredients, releasing phosphorus that would otherwise be unavailable. This will also facilitate the release of calcium (and other mineral) ions that would typically chelate and be bound to the phytate thus being unavailable for absorption.

## Quantum<sup>®</sup> Blue 10G – the benefits

- Greater phosphorus, calcium and sodium release
- Unrivalled intrinsic thermostability, uncoated resulting in faster release
- Higher phytate destruction leading to improved feed efficiency

### Descriptive

Form:	Quantum <sup>®</sup> Blue 10G Dry granulate
Packaging:	25 kg (55lb) bag, 600 kg (1300 lb) bulk bag upon request
Characteristic:	Light brown granular
Guaranteed min activity:	10,000 FTU/g
Storage:	Room temperature, 73°F (23°C); 12 months
Processing stability:	Recommendation is not to exceed conditioning and pelleting temperatures above 190°F (88°C) with <i>dry form</i> , if above these conditions, apply Quantum <sup>®</sup> Blue post-cooler in <i>liquid form</i> .

**Usage Guidelines:** Broilers, turkeys, ducks & swine. Feed 0.05 - 0.55 lb/ton (25 – 275 g/tonne) (250-2750 FTU/kg) of complete feed either directly into the feed or via a premix.

Nutrient Release	Quantum <sup>®</sup> Blue - 10G (400 FTU/kg)	Quantum <sup>®</sup> Blue - 10G (500 FTU/kg)
Available phosphorus	0.13	0.15
Calcium	0.143	0.165
Sodium	0.03	0.035
ME (kcal/kg)	45	52
ME (kcal/lb)	20	23.5
lb/ton	0.08	0.10
g/tonne	40	50