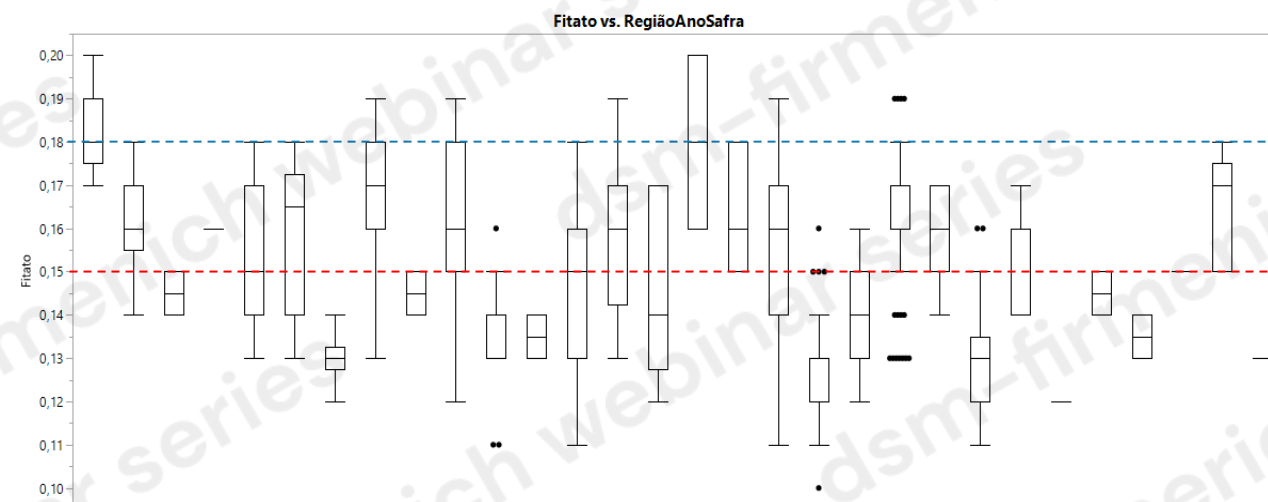
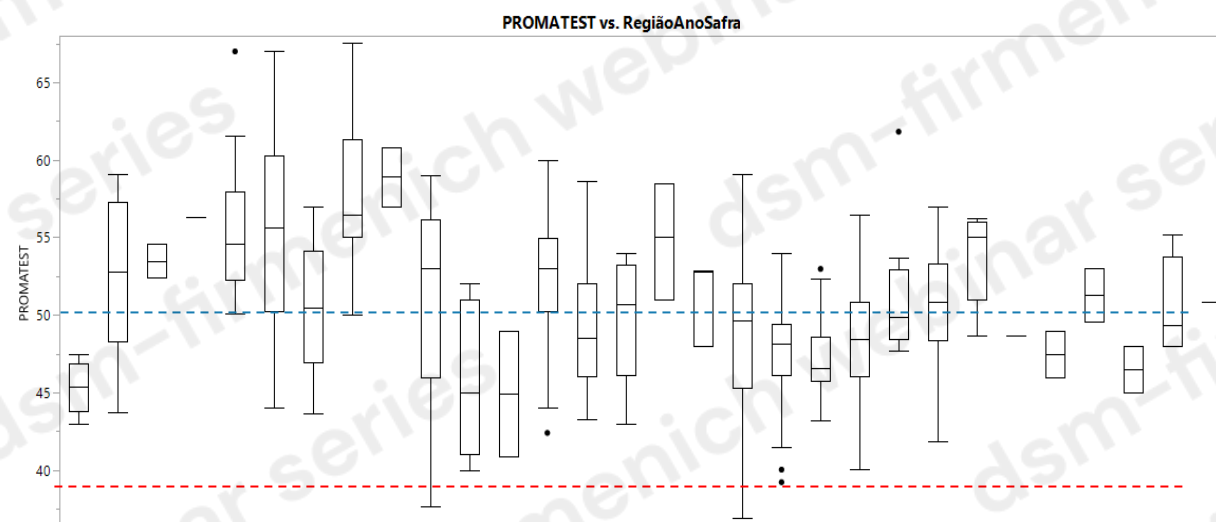
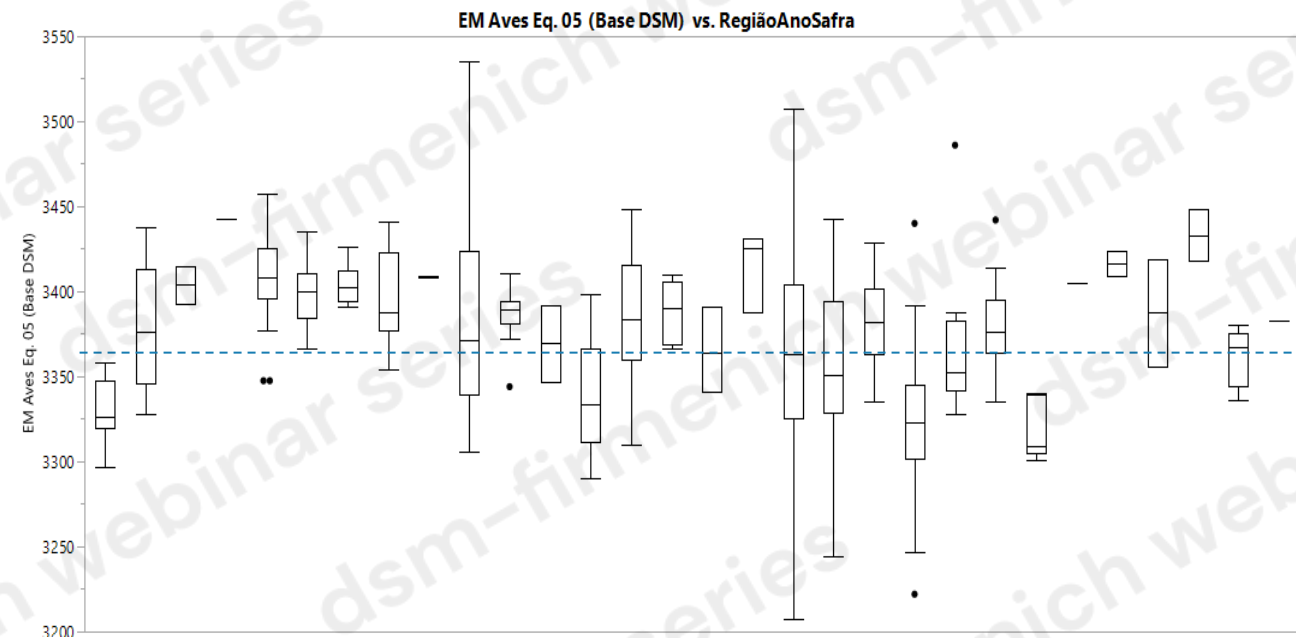
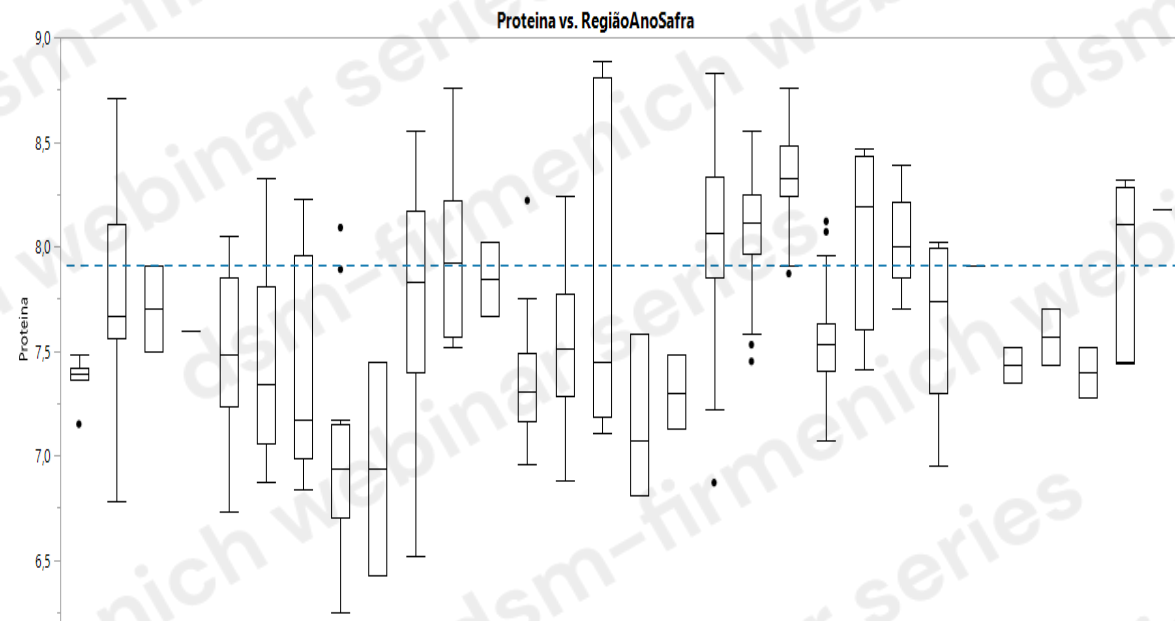


Milho: além da commodity

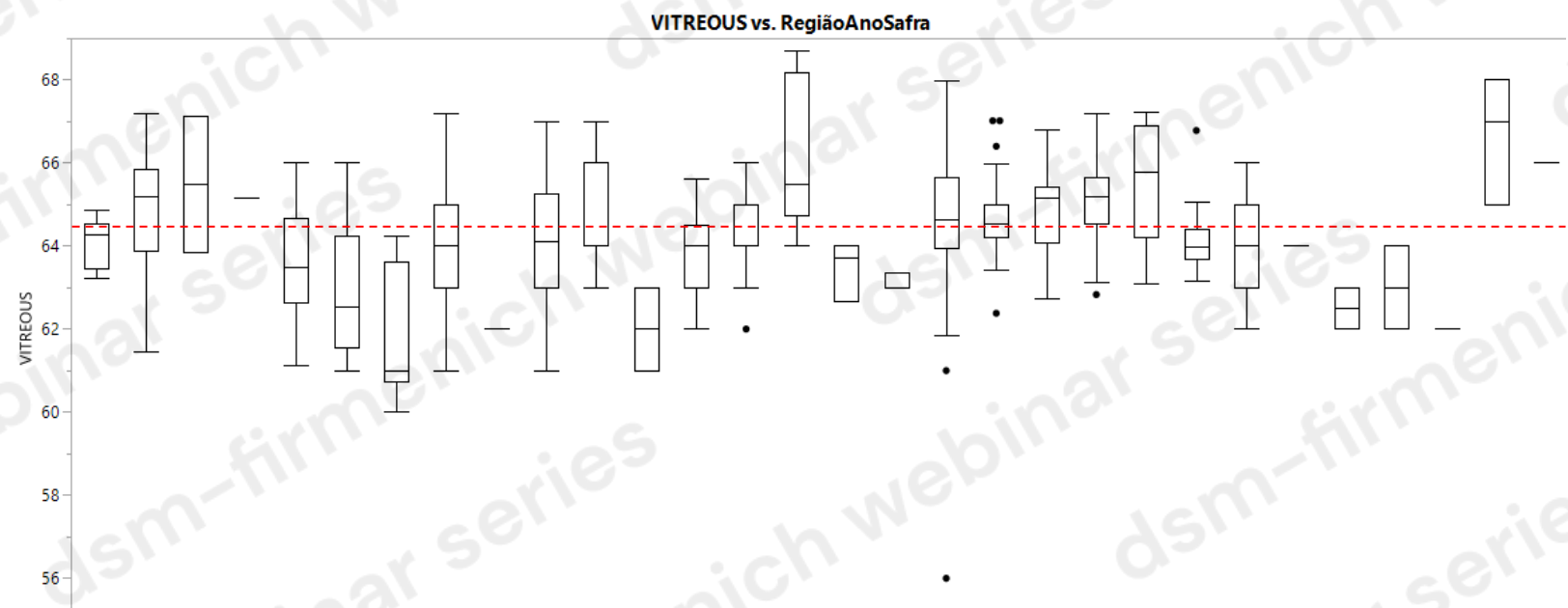
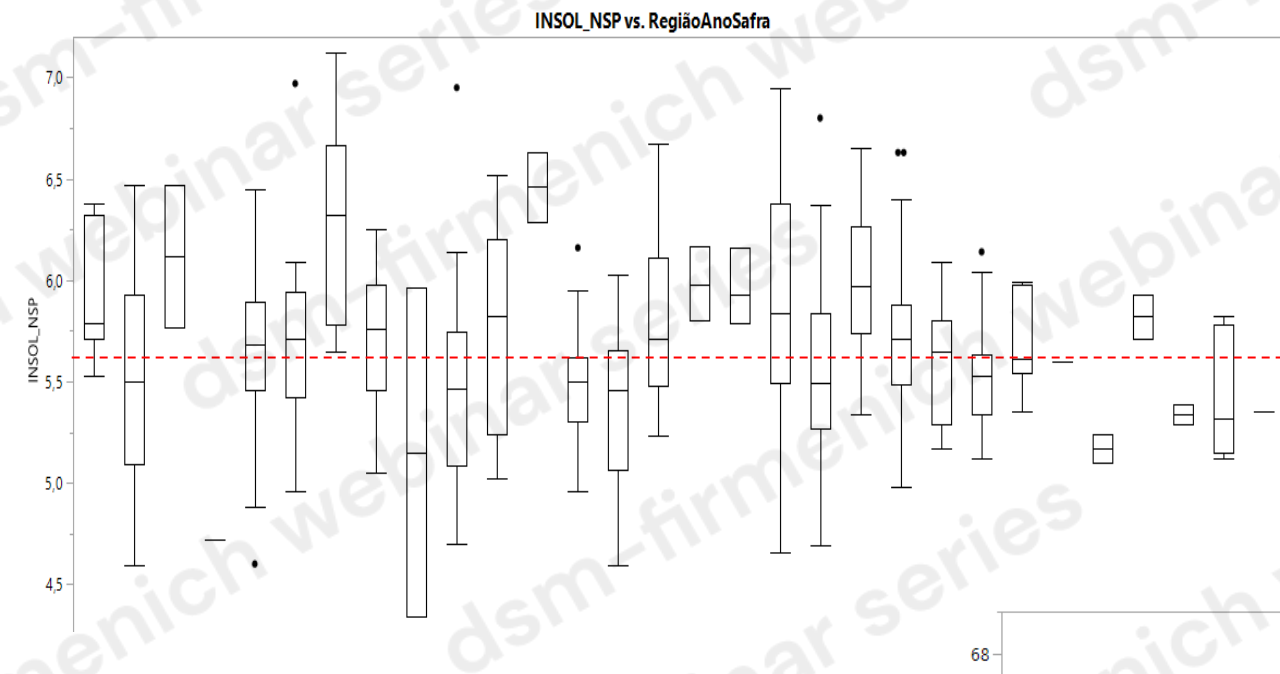
Dr. Vitor Fascina
Feed Optimization Manager – LATAM

Características do milho

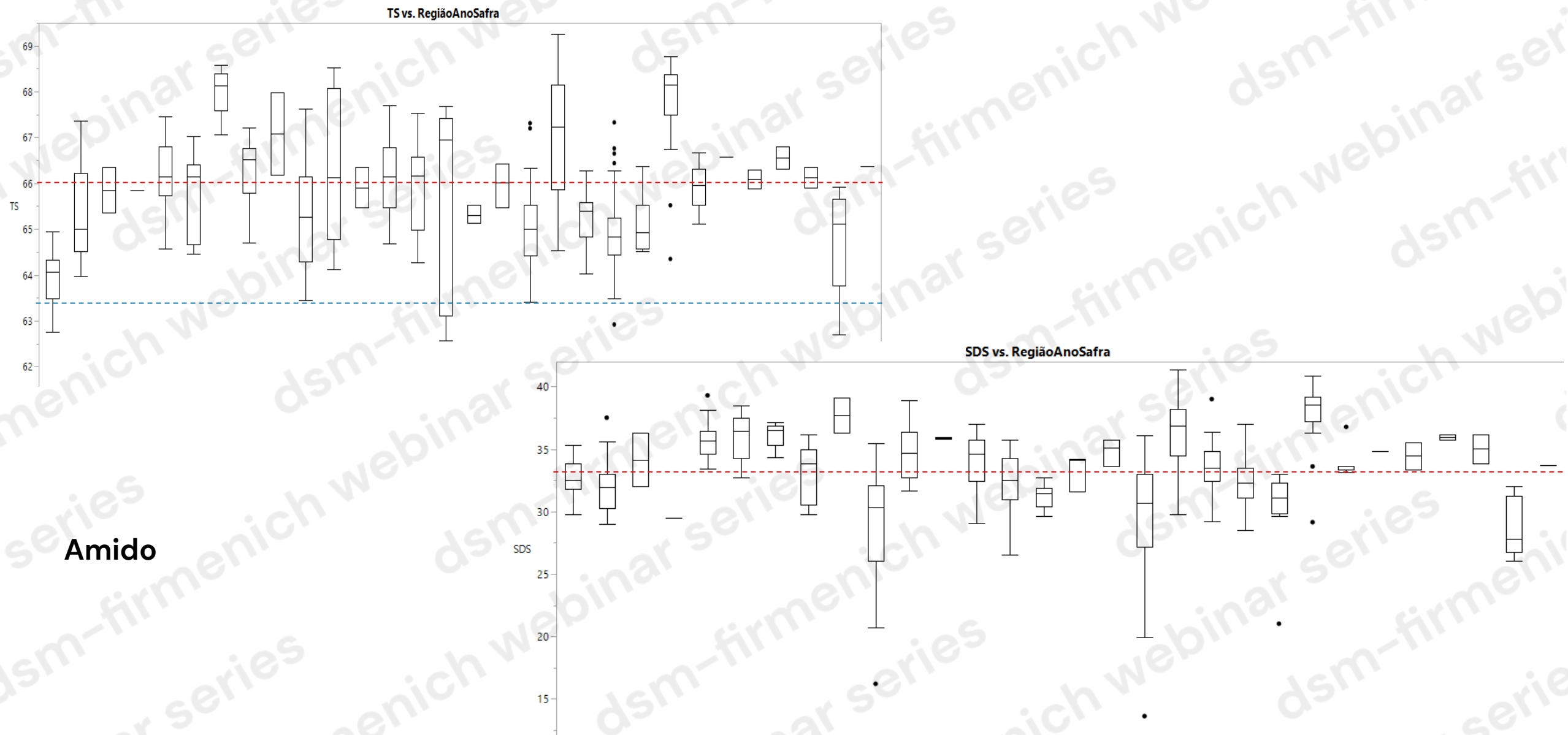


Safras: 2021 a 2023

Características do milho



Características do milho



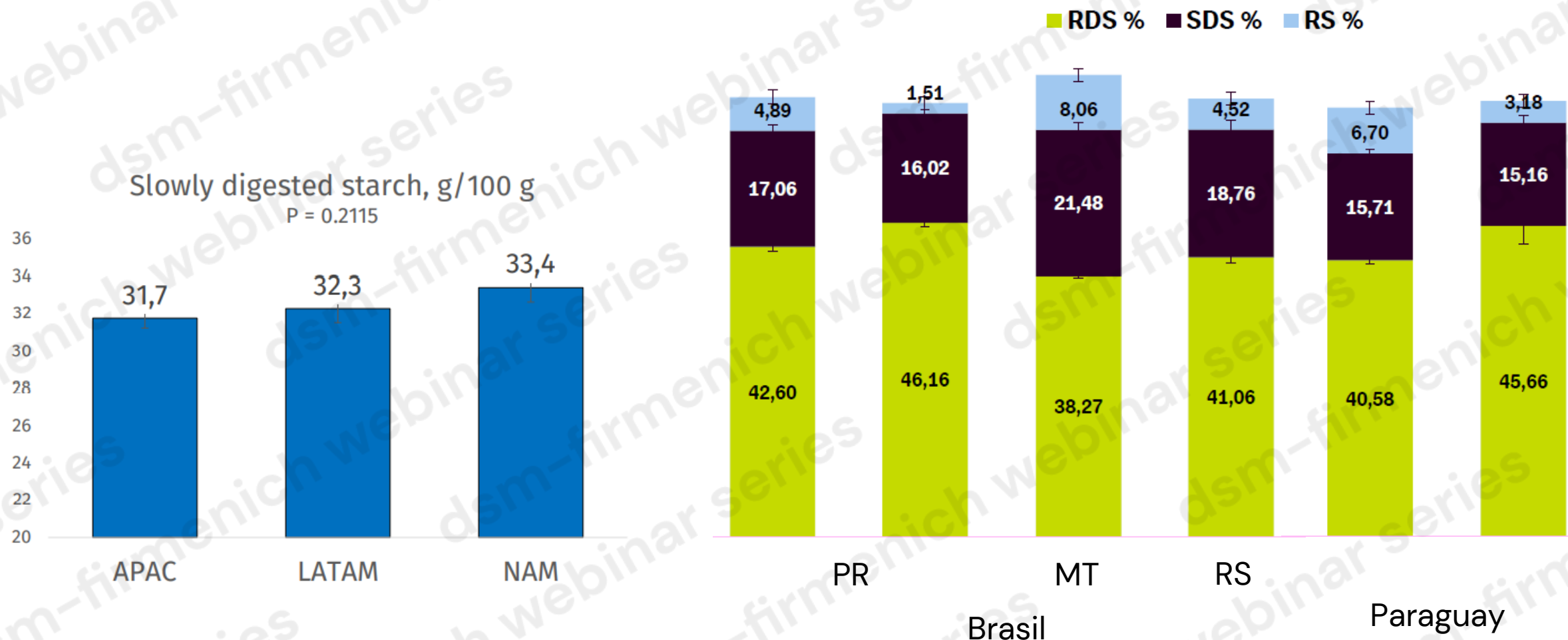
Amido

Safras: 2021 a 2023

dsm-firmenich ●●●

Características do milho

Caracterização do perfil de Amido





Digestibilidad do amido

6 lotes de milho



6 amostras com alta solubilidade proteica

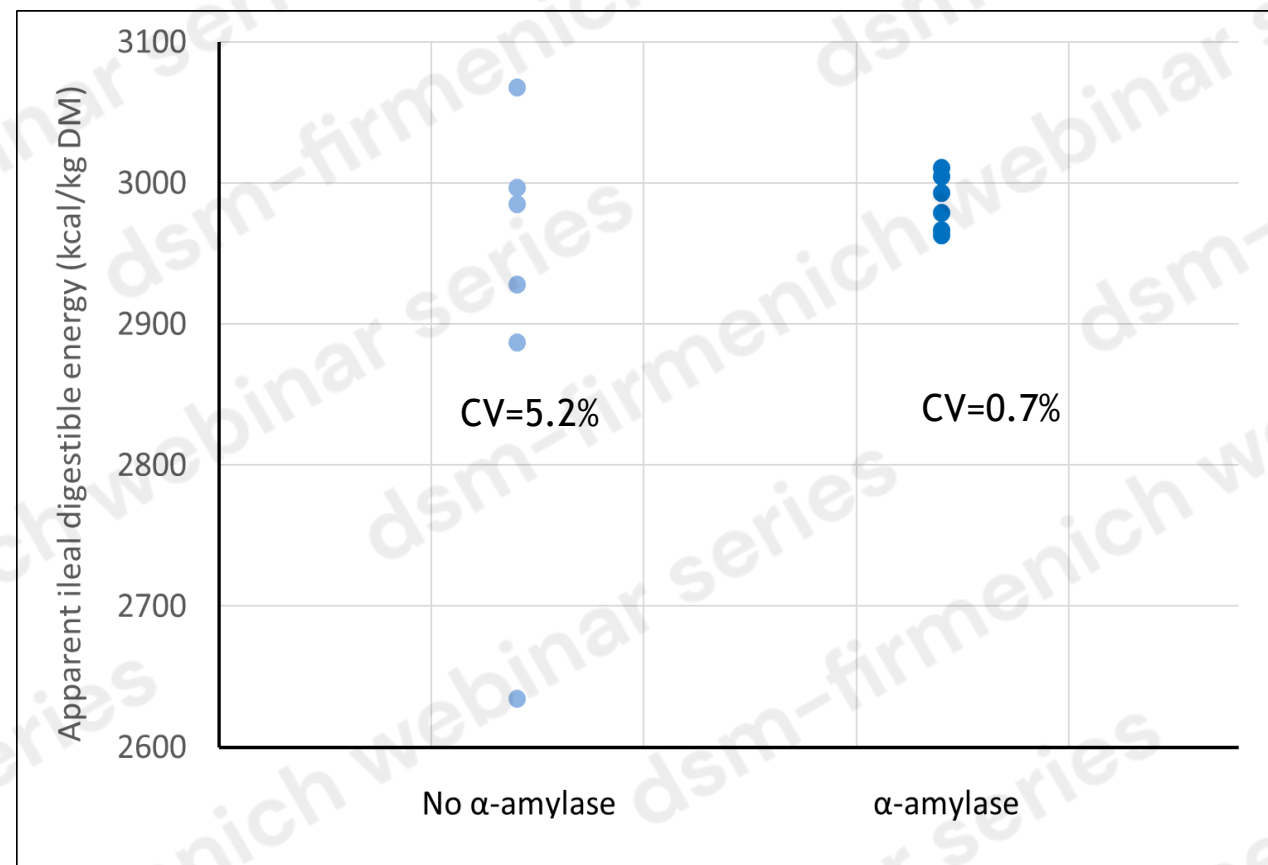


6 dietas milho-F. Soja²

X

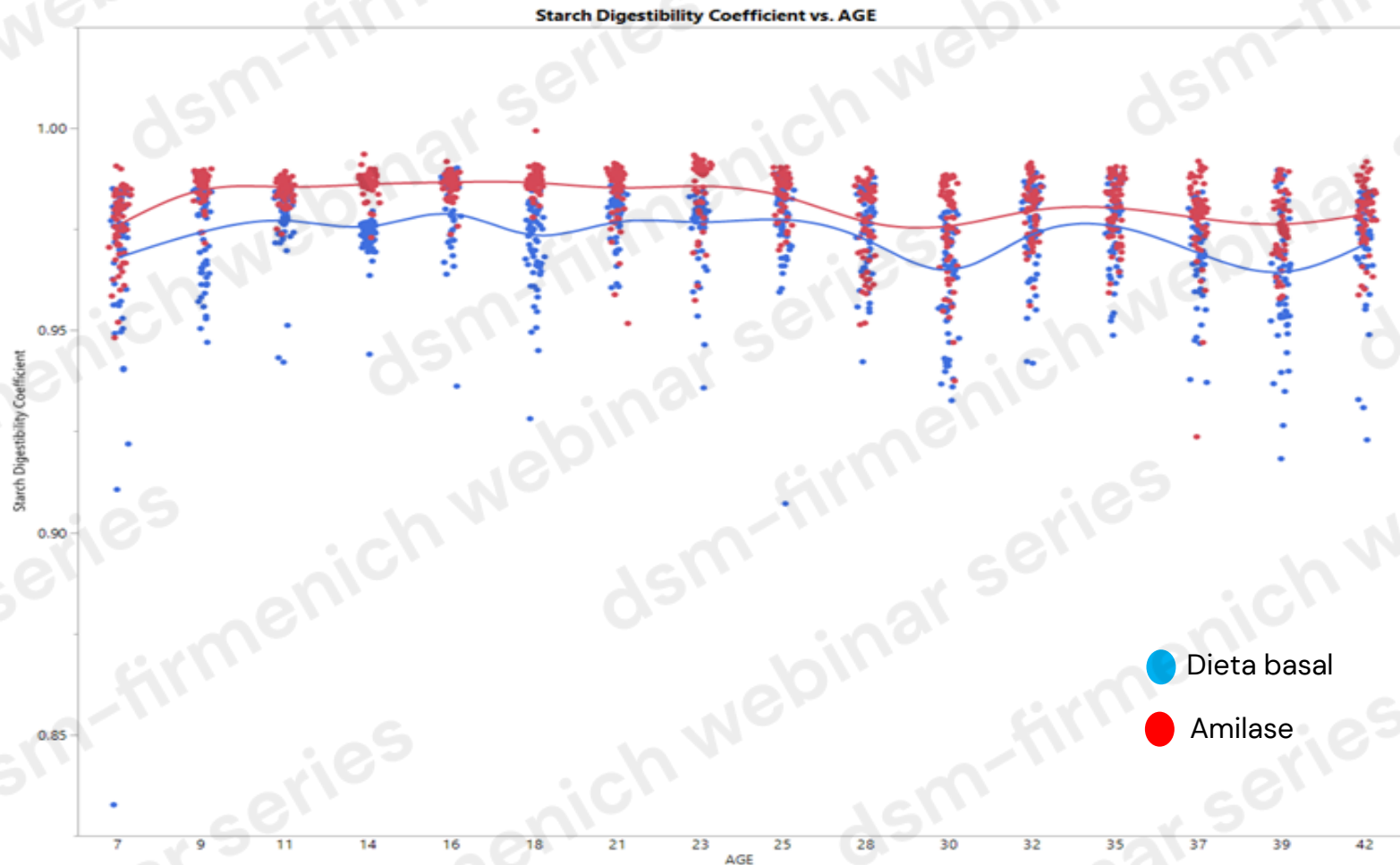
Amilase
0 vs 80 KNU/kg

² Digestibilidade ileal em frangos de corte (28 dias de idade)



Digestibilidade do amido

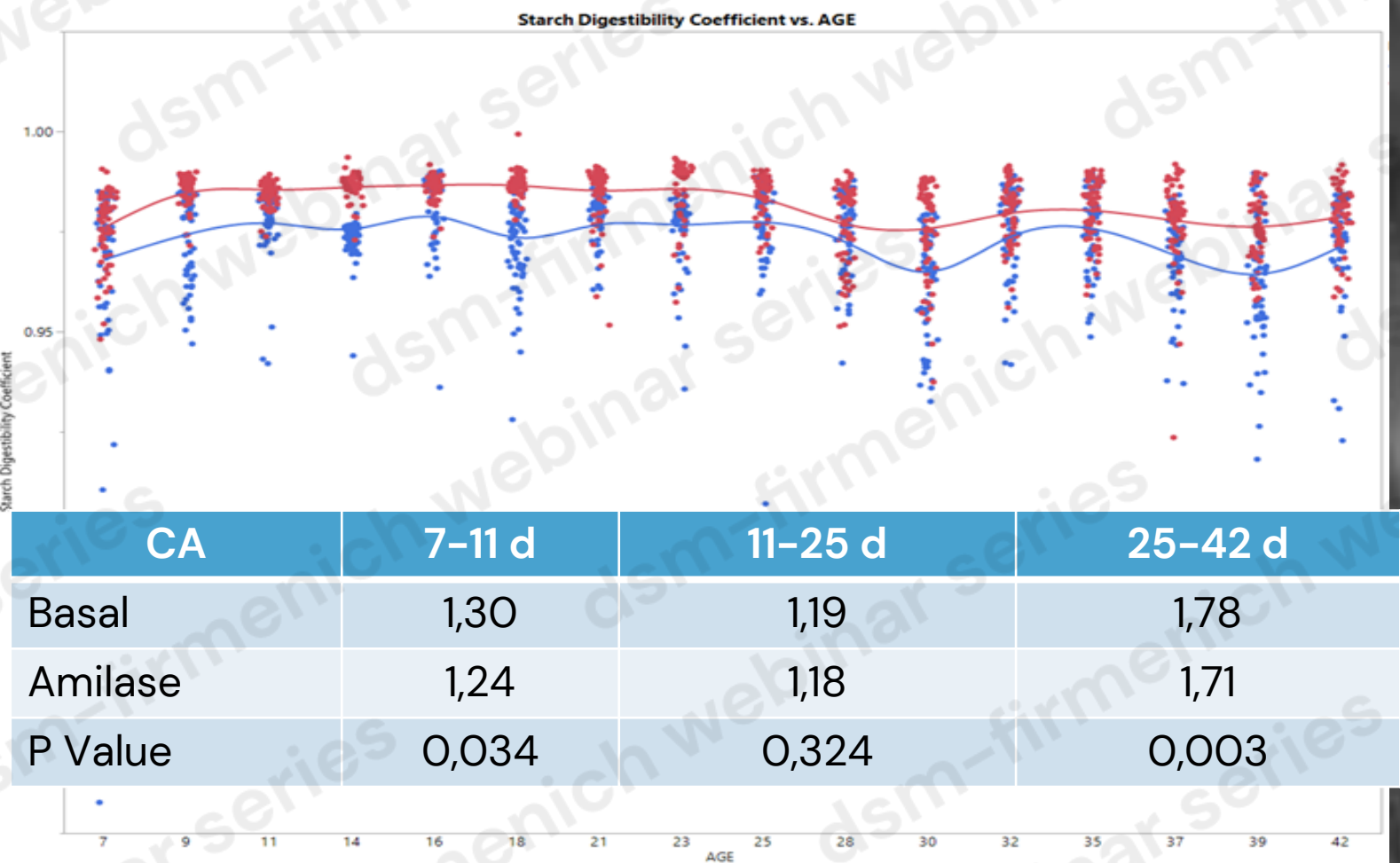
Efeito da idade na digestibilidade individual do amido do trato total de frangos de corte alimentados com dietas com ou sem suplementação de amilase



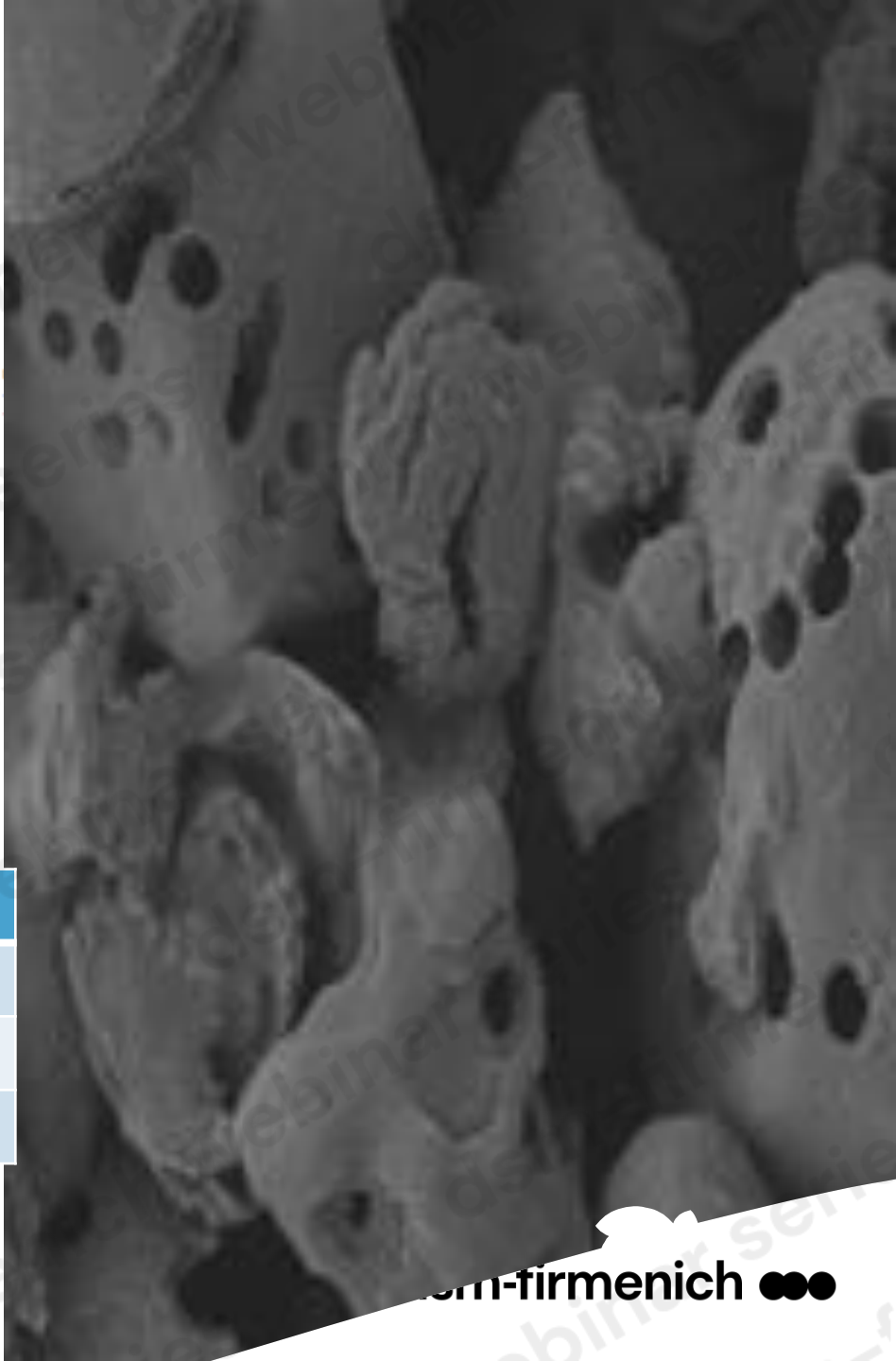
Adaptado de: Bassi et al. (2023)

Digestibilidade do amido

Efeito da idade na digestibilidade individual do amido do trato total de frangos de corte alimentados com dietas com ou sem suplementação de amilase

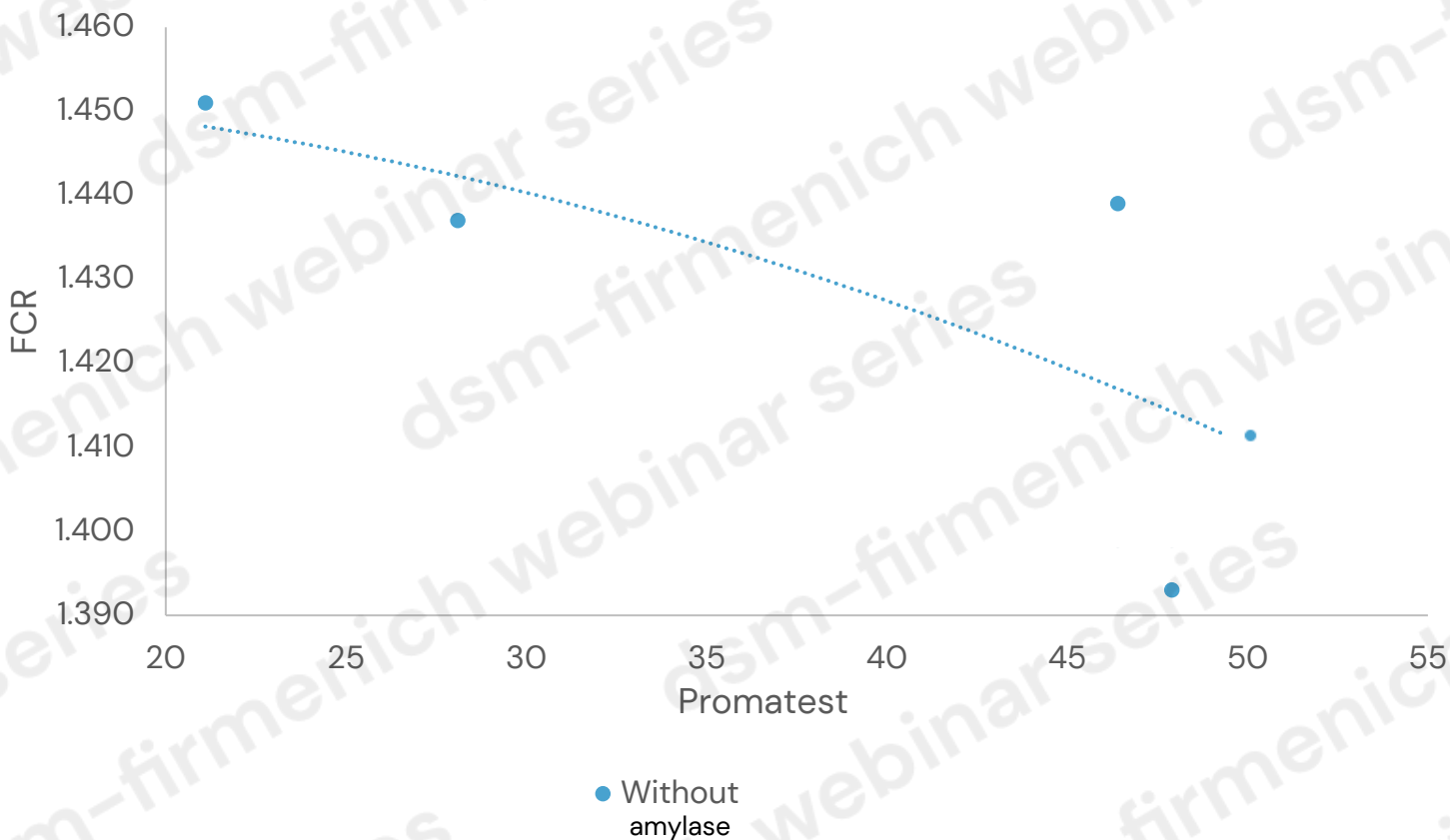


Adaptado de: Bassi et al. (2023)



Impacto do milho e uso de amilase

Dietas Milho-SBM contendo fitase, xilanase e protease

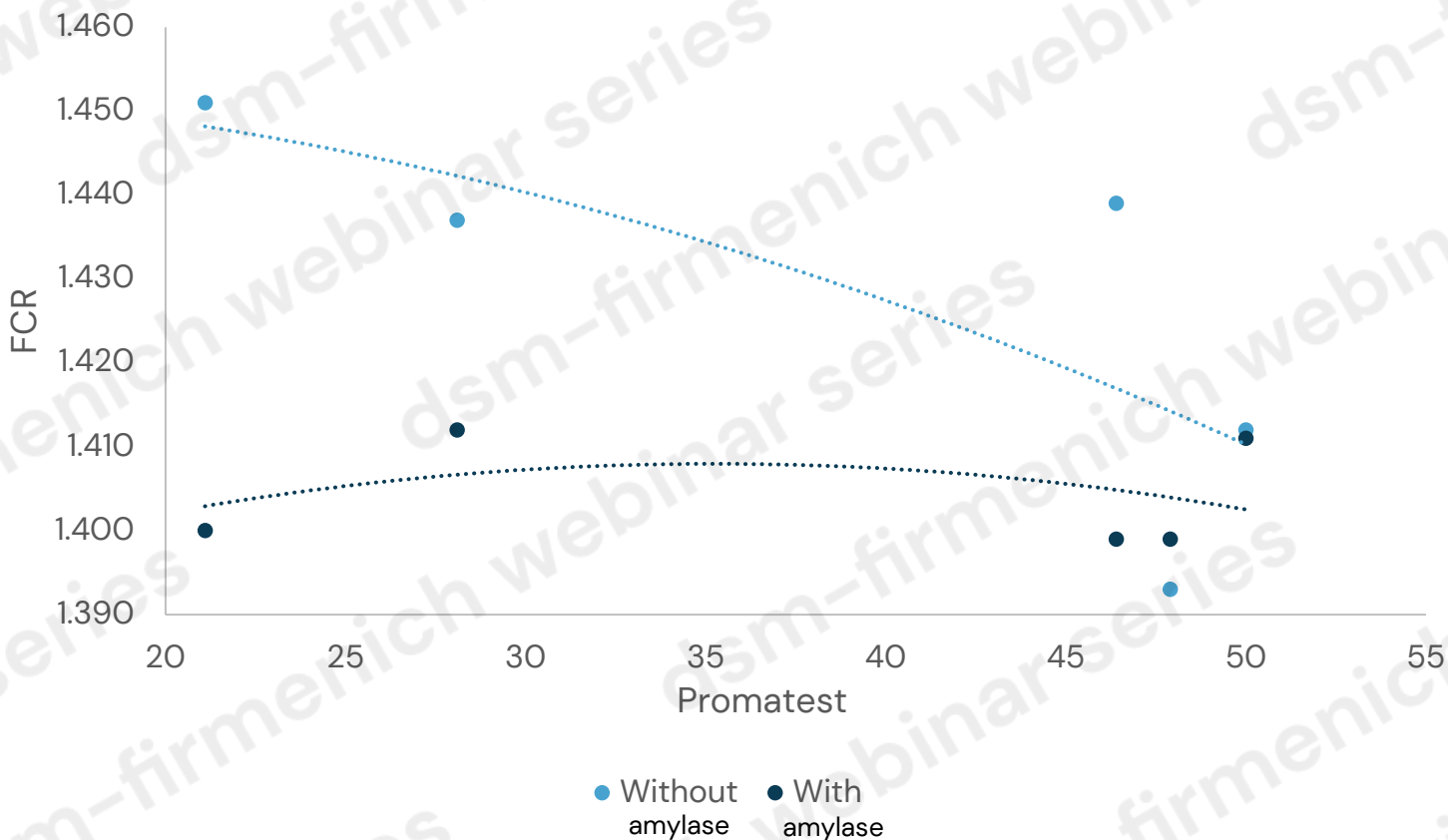


Adaptado de Liu et al., 2020



Impacto do milho e uso de amilase

Dietas Milho-SBM contendo fitase, xilanase e protease



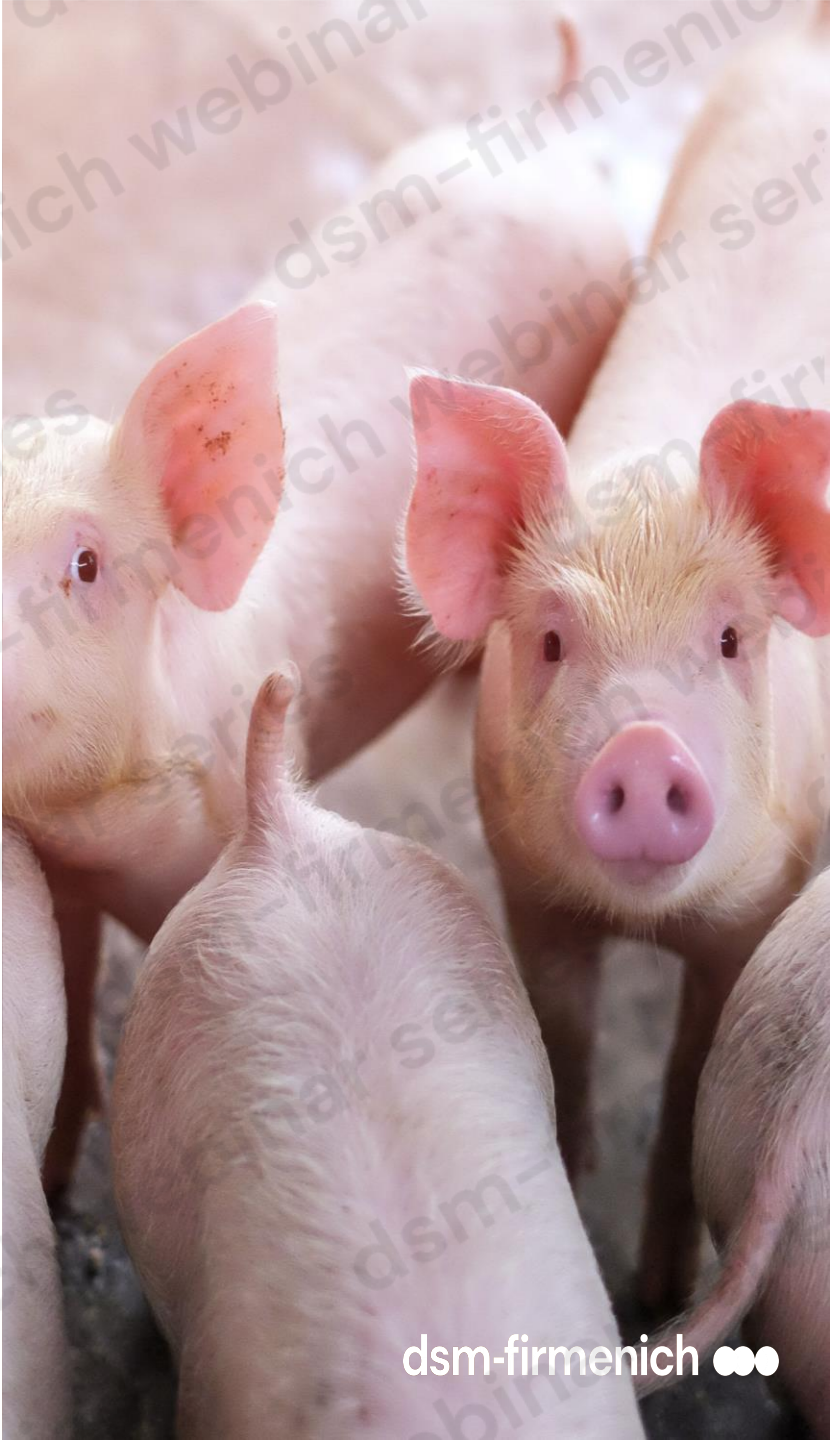
Adaptado de Liu et al., 2020



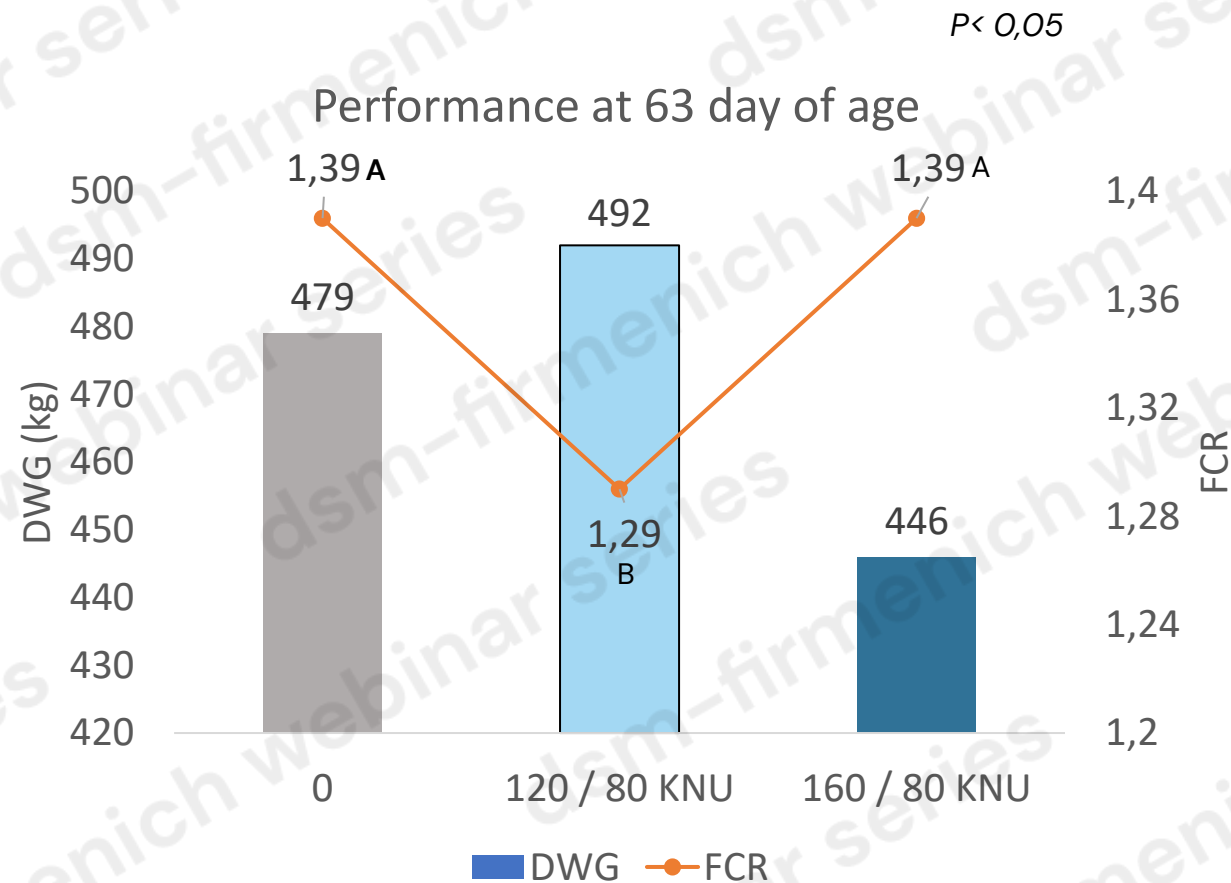
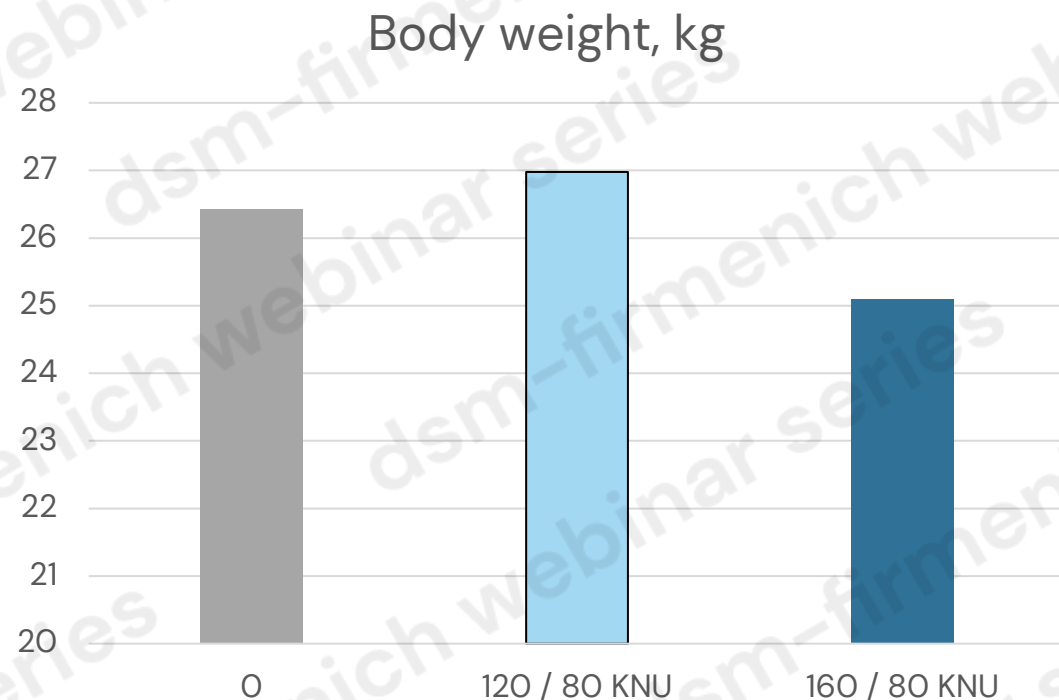
Efeito da amilase em leitões

| | Pre starters and Starter 1 | | Starter 2 | |
|---|----------------------------|--------------------------|-----------|--------------------------|
| | KNU/kg | Energy release (kcal/kg) | KNU/kg | Energy release (kcal/kg) |
| 1 | 0 | 0 | 0 | 0 |
| 2 | 120 | 80 | 80 | 80 |
| 3 | 160 | 80 | 80 | 80 |

- ✓ 90 piglets (PIC) barrows, average weaning at 21 (6,34 ±1,02 kg) until 63d of age (26kg±2,72)
- ✓ DBC 3 treat. and 10 replicates of 3 animals each
- ✓ ANC – Mairinque/SP
- ✓ 4 feed phases (Pré 1: 21 to 27; Pre 2: 28 to 35; Inicial 1: 36 to 42; inicial 2: 42 to 63 days of age).
- ✓ CEUA: 005.23
- ✓ All diets with 600 FYT/kg of phytase and 0.15% av P and Ca release



Efeito da amilase em leitões



Considerações

É importante entender as variações da composição do milho de diferentes origens para potencializar seu uso e otimização dos custos.

Amilase exógena melhora a digestibilidade do amido e o desempenho animal



We bring progress to life™