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Title: The effects of in-barrel moisture on extrusion parameters, kibble macrostructure, starch gelatinization, and palatability of a cat food

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The effects of in-barrel moisture on extrusion parameters, kibble macrostructure, starch gelatinization, and palatability of a cat food.

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Highlights

- Increase in mass in-barrel moisture reduced specific mechanical energy application
- Lower energy consumption and equipment wear was obtained with high in-barrel moisture
- In-barrel moistures between 28% to 32% promoted the highest kibble expansion
- Low in-barrel moisture increased the difference between reactive to total lysine content
- Food preference by cats did not change with the mass in-barrel moisture

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