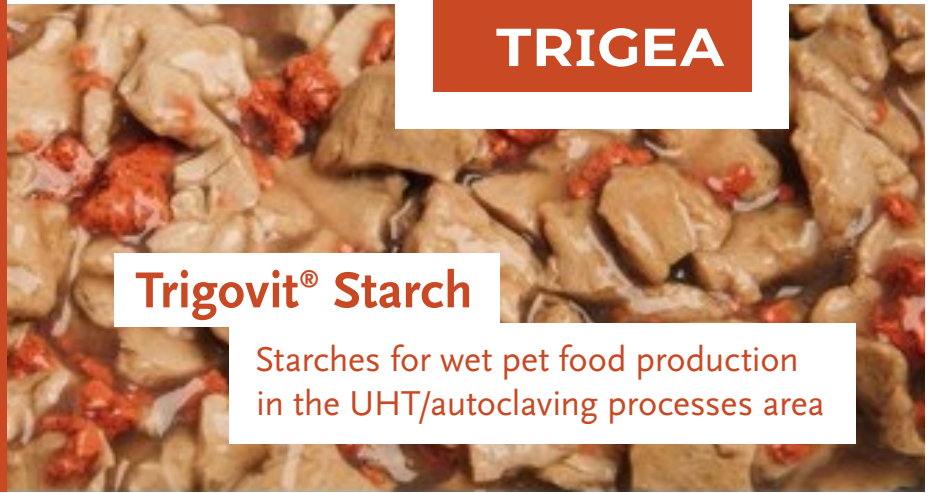


The Trigovit® product portfolio's modified starches have been developed especially for use in pet foods that are subjected to a heating process (e.g. preservation).

The process- and temperature-stable wheat starches gelatinise during the UHT process (100 to 135 °C) and provide the end-consumer product with its desired viscosity and texture. Thus, the starches are suitable for use as thickeners and binders in wet feed production.



Trigovit® Starch

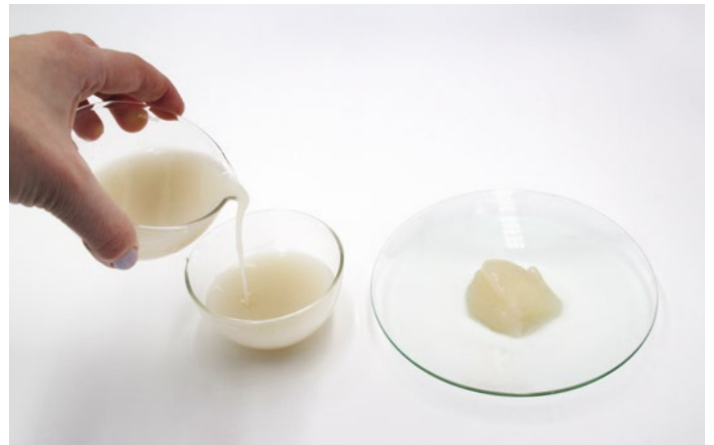
Starches for wet pet food production in the UHT/autoclaving processes area

General properties:

- Modified starches
- Cross-linked starches, as well as cross-linked and acetylated starches
- Suitable for UHT/autoclaving processes (pH > 4.5)
- Adjustment of viscosity and texture in the end-consumer product
- Dosage-dependent gelation possible
- Thickening and binding agents
- Acetylation reduces retrogradation (e.g. syneresis)

Benefits:

- More temperature- and process-stable, when compared to native starch and starches from other sources
- Very good cost-in-use, when compared to other thickeners such as potato starch
- Regional raw material, mainly from German cultivation
- GMO-free

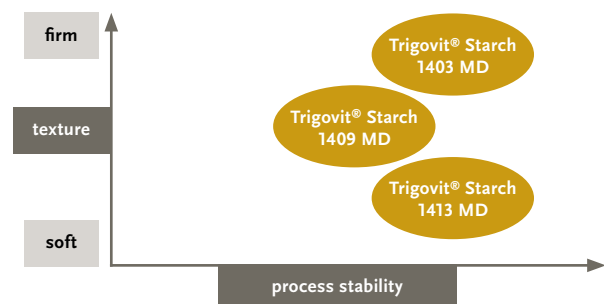


From solid to liquid: different textures with Trigovit® Starch.

Examples of viscosities after autoclaving

Starch	Dosage	Viscosity
Trigovit® Starch 1403 MD	2 %	4,700 mPas
Trigovit® Starch 1409 MD	2 %	2,200 mPas
Trigovit® Starch 1413 MD	2.2 %	2,600 mPas
Trigovit® Starch 1413 MD	3.6 %	10,800 mPas

Trigovit® Starch at a glance



Heat resistant starches

The starches are chemically modified (cross-linked and acetylated). This makes them heat- and process-stable and allows their use in sterilisation processes.

Area of application wet pet food:

The heat- and process-stable wheat starches are used for producing UHT pet food. They are particularly suitable as binding and thickening agents for sauces, gravies, gels, pâtés and pastes, but also as binding agents for chunks.

Depending on the customer's requirements, the viscosity of the end-consumer products can be influenced and the feed's appearance can be optimised.

In addition, the Trigovit® product portfolio's wheat starches are suitable for use in premixes.

