



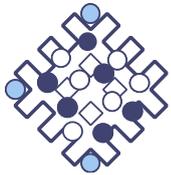
Get the most from your corn and all your mills with

Novozymes Frontia[®] Fiberwash

Frontia[®] Fiberwash is the enzymatic technology that's transformed corn separation. It starts where mechanical separation stops for the highest ever starch and gluten outputs, and significantly better fiber dewatering.

Frontia[®] Fiberwash starts where mechanical separation stops

Corn fiber network after mechanical separation



Even well-milled corn fibers bind starch, protein and water

Novozymes Frontia[®] Fiberwash



Enzymatic breakdown of corn fiber network

Corn fiber network after mechanical *and* enzymatic separation

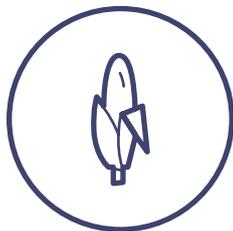


Significantly less bound starch, protein and water

- ✓ Release >50% of bound starch
- ✓ Release >30% of bound protein
- ✓ 15% better fiber dewatering



Which value drivers will help you get the most from your corn and all your mills?



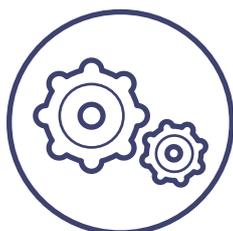
Get the most from your corn

- ✓ Boost starch output by 2%
- ✓ Boost gluten meal output by 8%



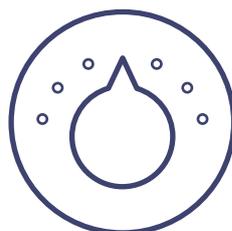
Cut your utility spend

- ✓ Cut co-product drying energy by 15-25% through better dewatering
- ✓ Cut fiber press and gluten filter electricity consumption
- ✓ Cut fresh water use by 2%



Cut interruptions, boost efficiency

- ✓ Less dewatering equipment needed due to load reduction of 20-30%.
- ✓ Increase time for planned maintenance and repair, defer investments
- ✓ Cut interruptions and boost mill efficiency



Increase your production capacity

- ✓ Remove bottlenecks in dewatering and separation equipment to increase maximum grinding capacity by 5-15%
- ✓ Push 10-20% more Corn Steep Liquor through fiber dryer

Get ahead

Staying ahead of the dynamic food and beverage market requires the best technology and expertise to become even more flexible, efficient and profitable. With Frontia® Fiberwash and our process knowhow, Novozymes can support you on that journey. Let's transform the quality and sustainability of your business.

About Novozymes

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping to build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow.

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