



Memorandum

To: TechMix Swine Product Customers

From: Miranda Lemke; TechMix Quality Control Formulation Manager

Date: October 5, 2018

Subject: Swine Products Verified for Ingredient Country of Origin

TechMix is very aware of the recent cases of African Swine Fever (ASF) spreading throughout Asia and Europe. TechMix is taking a proactive approach by identifying the country of origin for our ingredients in swine products and determining our plan of action. All ingredients for TechMix products are purchased from qualified suppliers who all have undergone a strong supplier approval process.

We are committed to providing safe, consistent, and wholesome high-quality animal health products for our customers and their animals. Our efforts have been proven through our Safe Feed Safe Food certification issued in January of 2018. TechMix will stay diligent in protecting our industry by working closely with industry leaders, customers, and distribution partners.

TechMix's Ingredient Sources

TechMix has completed a full review to identify ingredients originating from countries affected with ASF. TechMix will be replacing or removing ingredients sourced from countries affected by ASF where possible. Below is a list of our products and plan of action for each:

Product	TechMix's Response
Dual Dry	Ingredients not sourced from affected countries.
Tech Dry	Ingredients not sourced from affected countries.
Swine BlueLite	Ingredients not sourced from affected countries.
Liquitein	In process of removing ingredients from affected countries.
Blue 2	In process of removing ingredients from affected countries.
Baby Pig Restart	In process of removing ingredients from affected countries.
Baby Pig Restart AFP	In process of removing ingredients from affected countries.
BlueLite Proteolyte	In process of removing ingredients from affected countries.
Mo' Milk Feed Mix	In process of removing ingredients from affected countries.
Mo' Milk Top Dress	In process of removing ingredients from affected countries.
Swine BlueLite 2Bw	In process of removing ingredients from affected countries.
NeoPerk	In process of removing ingredients from affected countries.
All-Start	In process of removing ingredients from affected countries.



In the case the ingredient is critical to product's function or palatability, other countries of origin or quarantined material will be used. Amino acids will remain in our products because these have been placed under a 45-day quarantine affirmed by the supplier.

TechMix's Supply Chain

A full traceability audit encompassing our supply chain and distribution channels revealed the time it takes for overseas ingredients to arrive in the manufacturing plant. The average time from port of dispatch to the manufacturing facility is 65 to 70 days. The average time for when ingredients would enter distribution in finished products is estimated at 68 to 77 days. Per our distribution partners, the inventory turnaround rate of finished swine products stored in their warehouses is 35 to 45 days.

Please contact either of the following if you have additional questions regarding ingredient sourcing and supply chain time frames:

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