



LOSS PREVENTION UPDATE

SOYA BEAN SEASON UPDATE

Brazil's soya bean harvest starts in **January** and lasts until **June**. The U.S Department of Agriculture (USDA) expects a record **169 million metric tonnes** of soya beans to be produced in Brazil this year. As the world's largest soya bean producer, Brazil exports a large share to China.

High moisture levels of up to 14% (the maximum allowed under Brazilian standards), combined with shipping times of up to 40 days to China, increase the risk of cargo damage. Delays at Chinese ports, where vessels often wait at anchor for a berth, can further heighten this risk.

Moisture content and temperature at the time of loading are key factors in determining the approximate allowable storage time for this cargo.

NDSU APPROXIMATE ALLOWABLE STORAGE TIME FOR SOYA BEANS

APPROXIMATE ALLOWABLE STORAGE TIME FOR SOYBEANS						
MOISTURE CONTENT (%)	GRAIN TEMPERATURE (F)					
	30	40	50	60	70	80
APPROXIMATE ALLOWABLE STORAGE TIME (DAYS)						
11	300+	300+	300+	300+	200	140
12	300+	300+	300+	240	125	70
13	300+	300+	230	120	70	40
14	300+	280	130	75	45	20
15	300+	200	90	50	30	15
16	300+	140	70	35	20	10
17	300+	90	50	25	14	7
19	190	60	30	15	8	3

- Airflow through the soybeans permits maintaining the grain temperature but does not extend the allowable storage time beyond that listed in the table.
- Allowable storage time is cumulative. If 16 percent moisture soybeans were stored for 35 days at 50 degrees, one-half of the storage life has been used. If soybeans are cooled to 40 degrees, the allowable storage time at 40 degrees is only 70 days.

SOURCE: NORTH DAKOTA STATE UNIVERSITY (NDSU)



In July 2024, our local correspondent in China, Oasis P&I, reported a rise in heat damage claims in China for Brazilian soya beans, and produced this self-explanatory [circular](#). The Club has also produced useful information on [ventilation logs](#) and [cargo ventilation](#) that can assist in meeting requirements.

ADDITIONAL RESOURCES

[PREVENTING HEAT DAMAGE IN SOYA BEAN CARGO](#)

[MANAGING CHALLENGES ON SOYA BEAN CLAIMS WEBINAR](#)

[CARRIAGE OF GRAIN AND OILSEED CARGOES](#)

FURTHER INFORMATION

For further information, please do not hesitate to email lossprevention@tindallriley.com.

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