



Farmers are using a special robot that goes through their grain. Farmers store grain in special towers, and the work is very **demanding**.

If the grain gets wet, it gets warmer. More bugs come, and dangerous **fungi** start to grow in the grain. It is not possible to use such grain for food, and it means a big loss for farmers. Reports say that farmers all over the world must throw away around 630 million tons of grain.

The robot could change this problem. It moves through the grain, and its little sensor checks the temperature and **moisture** of the grain. It sends information to a farmer's phone, and he immediately knows if everything is okay.

Difficult words: **demanding** (a task which requires a lot of time and energy), **fungus** (a special living thing that gets its food from old food or other living things), **moisture** (how wet something is).

**Discussion Questions****Topic Talk**

1. Define the following words: *demanding*, *fungus* and *moisture*
2. What happens if grains get wet?
3. How many tons of grain do farmers throw away all over the world?
4. What are farmers using to help them with their demanding work?
5. How could the robot help farmers with their problem?

Express Your Thoughts

1. How big is the grain production in your country?
2. What problems do farmers in your country have with their crops or grain?
3. Are special robots being used now by farmers in your area to save their crops or grain?
If yes, have they solved their problem? If no, do you believe it would help them?
4. What could be the negative effects of using robots in farming?