

Make Your Own Biodegradable Corn Plastic

The development of new products using safe ingredients like corn is usually done in a laboratory. This experiment allows you to create your own biodegradable plastic. Remember to use the scientific process: follow the procedures and record your observations.

Materials and Equipment

- cornstarch
- water
- tablespoon
- microwave oven
- corn oil
- paper cup
- stirrer
- food coloring (optional)

Procedure

1. Place a tablespoon of cornstarch in a paper cup.
2. Add two drops of corn oil to the cornstarch.
3. Add a tablespoon of water to the corn oil and cornstarch.
4. Stir the mixture.
5. Add two drops of your favorite food coloring to the mixture and stir well.
6. Microwave for 25 seconds on high. [MAY BE HOT!]
7. When it is cool enough to handle, CAREFULLY remove the material from the cup.
8. Mold into an ear of corn or any other fun shape!

