

## The growth and development of pigs

### Let's make pig feed!

What should go into a feed recipe to make sure that pigs are receiving the correct nutrients? Pigs require protein, carbohydrates (energy), and vitamins & minerals to be healthy. Soybean meal is a great source of protein! We are going to blend together soybean meal for protein, corn flour for energy, and a vitamin & mineral pack to complete our healthy feed mix.

For every one part of soybean meal in the mix, farmers will add 5 parts corn flour. Fill in the chart to the right to determine the amounts needed.

Parts of soybean meal	Parts of corn flour
1	5
2	
	20
7	
	45

You can create your own "feed mix" with corn flour (Corn Chex), soybean meal (Cheerios), and raisins. The raisins represent the vitamins and minerals farmers add to the pig feed to keep the pigs healthy and strong. Remember that each piece of cereal is one part of your feed mix! Mix it up and enjoy!

1. Where do soybeans and corn get their energy to feed the pigs?  
Can you draw a model demonstrating how the sun, air, and water help to create this energy in plants?

Here's one possible recipe for pig feed: 3 parts soybean meal + 15 parts corn flour.

2. If each part was a total of 5 pounds, how many pounds of soybean meal do you need for this recipe?

3. How many pounds total will the recipe be?

Learn more about what happens on a pig farm! [Sign up for a virtual field trip now! \(ohiopork.org/fieldtrip\)](https://ohiopork.org/fieldtrip)

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