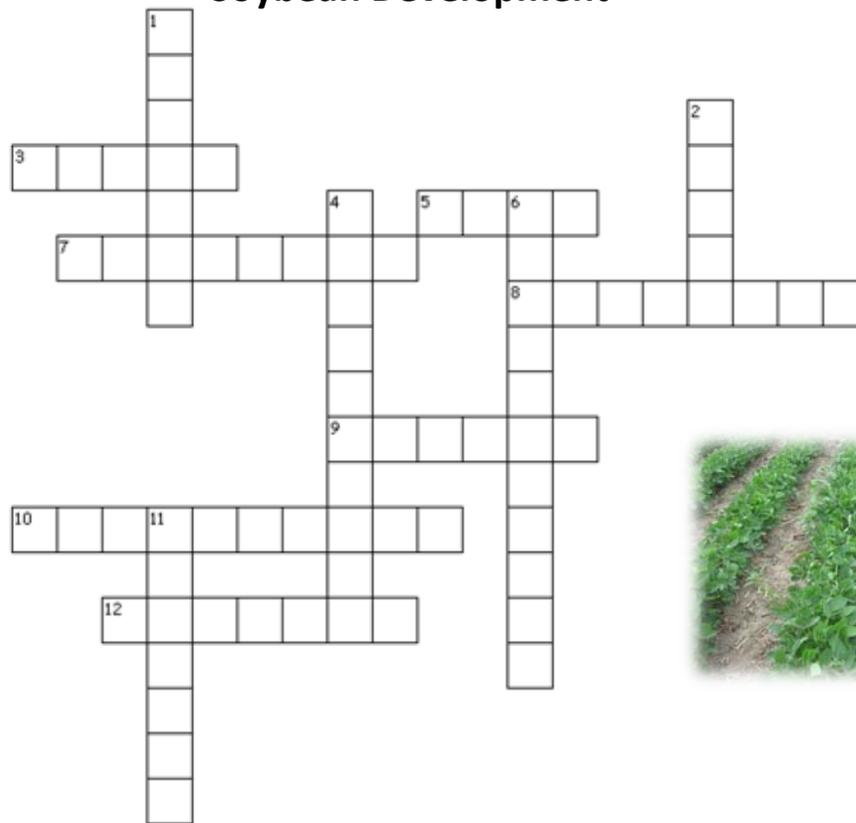


## Soybean Development

Know how. Know **now**.



### Across

3. One \_\_\_ pound bushel of soybeans can be processed into 11 lbs of soybean oil and 48 lbs. of soybean meal.
5. These will form after the flowers on the soybean plant.
7. Soybeans have an \_\_\_ bud between each cotyledon or leaf, and the stem.
8. At maturity, soybean pods will lose moisture down to about \_\_\_ percent.
9. Soybeans are a member of the \_\_\_ family.
10. The first true leaves that emerge from the epicotyls are the two \_\_\_\_\_ leaves located opposite each other.
12. Legume plants are unique because they have \_\_\_ on their roots that contain Bradyrhizobium bacteria that can take nitrogen from the air and change it to a form plants can use!

### Down

1. Soybeans are the richest in this nutrient among all common row crops in the United States. It is prized as a feed for livestock.
2. Soybeans have seed leaves, or cotyledons meaning they are \_\_\_.
4. Identifying soybeans in the vegetative stages, you count how many \_\_\_ leaves there are.
6. Soybean plants have two different types of growth. \_\_\_\_\_ varieties stop vegetative growth when flowering begins. These are raised mostly in Nebraska.
11. After these appear on the soybean plant, it is in the reproductive stage.

## Soybean Growth Crossword puzzle answers

### ACROSS

3. Sixty                      One \_\_\_ pound bushel of soybeans can be processed into 11 lbs of soybean oil and 48 lbs. of soybean meal.
5. Pods                        These will form after the flowers on the soybean plant.
7. Axillary                    Soybeans have an \_\_\_\_ bud between each cotyledon or leaf, and the stem.
8. Thirteen                  At maturity, soybean pods will loose moisture down to about \_\_\_\_ percent.
9. Legume                     Soybeans are a member of the \_\_\_\_ family.
10. Unifoliate                The first true leaves that emerge from the epicotyls are the two \_\_\_\_\_ leaves located opposite each other.
12. Nodules                  Legume plants are unique because they have \_\_\_\_ on their roots that contain Bradyrhizobium bacteria that can take nitrogen from the air and change it to a form plants can use!

### DOWN

1. Protein                     Soybeans are the richest in this nutrient among all common row crops in the United States. It is prized as a feed for livestock.
2. Dicot                        Soybeans have seed leaves, or cotyledons meaning they are \_\_\_\_.
4. Trifoliate                  Identifying soybeans in the vegetative stages, you count how many \_\_\_\_ leaves there are.
6. Determinate              Soybean plants have two different types of growth. \_\_\_\_\_ varieties stop vegetative growth when flowering begins. These are raised mostly in Nebraska.
11. Flowers                    After these appear on the soybean plant, it is in the reproductive stage.