

# Seed Survivor Crossword Puzzle

Many people work in agriculture careers that require that they know what seeds need to survive, grow and thrive. Here are just a few of those agriculture careers:



Farmer



Crop Services Salesperson



Agronomist  
(Also known as a Crop Doctor or Soil Scientist)



Potash Mine Operator



Botanist

Complete this crossword to test your knowledge of what seeds need to survive, grow and thrive.

ACROSS:

3. Too much of this and your plant might drown.
5. What is the ideal soil for growing crops called?
7. To grow healthy plants, farmers follow the 4R's when applying nutrients. Applying the right source (N,P,K) and the right rate, at the right time and in the right \_\_\_\_\_ in the field.
8. Plants need 17 of these, including the main ones, N, P, and K to grow.
9. The Canadian province where most of the world's potash (potassium chloride) is mined?
11. What nutrient protects the plant against disease?
12. What is the largest soil particle called?
13. Nutrients come from manure, compost, organic sources and \_\_\_\_\_
14. What percent of the earth's land is ideal for growing food?
16. To grow, plants need sun/air, water, nutrients and healthy \_\_\_\_\_
17. Where do plants get their energy from?

DOWN:

1. Which nutrient comes from the air?
2. Potassium comes from evaporated \_\_\_\_\_
4. What makes the oxygen we need to breathe?
6. 1 in 8 Canadian and 1 in 7 American jobs are in \_\_\_\_\_
7. Which nutrient helps the plant grab energy from the sun for photosynthesis?
10. Nitrogen keeps a plant green, healthy, and \_\_\_\_\_
12. What is the medium-sized soil particle called?
13. Phosphorus comes from ancient \_\_\_\_\_
15. What is the smallest soil particle called?