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Agriscience Terms

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| **Across**  **5.** Focuses on the production of crops on a small scale with many inputs.  **8.** Uses a variety of controls, such as mechanical, cultural, biological, and chemical, to prevent pest damage.  **10.** A plant that has only one seed leaf when it emerges from the soil.  **12.** Growing crops and raising animals to meet the needs of people.  **15.** This is important in two areas of plant life: soil and the surrounding air.  **18.** The combination of mineral particles, dead plants and animals, water, air, and living organisms required for plant growth.  **19.** Tissue that carries water and minerals from the root hairs throughout the plant.  **20.** Chemical process that converts water and carbon dioxide to glucose sugar and oxygen.  **21.** Tissue that carries plant products, such as glucose, from production sites to other parts of the plant.  **22.** Any element that is essential for a plant's growth, development, or reproduction.  **23.** Completes most of its life cycle in a year, but the winter is included.  **25.** Vegetative part of the plant that grows primarily underground. | **Down**  **1.** This has an impact on plant blooming and on formation of parts.  **2.** Focuses on the production of crops in fields, such a grain, forage, and fiber crops.  **3.** Completes its life cycle in two growing seasons.  **4.** This is in every plant cell and tissue. It carries nutrients and chemicals through the plant.  **6.** Xylem and phloem together make this up of a plant.  **7.** The reproductive structure that will become a new plant.  **9.** A plant that has two seed leaves when it emerges from the soil.  **11.** Vegetative part of the plant that supports the leaves, buds, and other organs.  **13.** The length of time it takes for a plant to complete life from germination to death.  **14.** The process by which a seed starts to grow.  **16.** The management of wooded areas for wood and pulp production and the care of wooded areas for recreation, wildlife, and water.  **17.** Requires three or more growing seasons to complete the life cycle.  **24.** Completes its entire life cycle in a single growing season. |