



WAEC **AGRICULTURAL**

Questions and Answers



Samples of Agricultural Science Questions and Answers

What are the general problems of the land tenure system in agricultural development in West Africa?

The general problems of the land tenure system in agricultural development in West Africa include insecure land rights, fragmented land ownership, lack of access to credit and investment, disputes over land ownership, limited transferability of land, and inadequate land-use planning and management.

Can you provide a list of farm machinery and farm implements commonly used in agriculture?

Farm machinery and implements commonly used in agriculture include tractors, plows, harrows, seeders, cultivators, combine harvesters, sprayers, irrigation systems, threshers, and grain elevators.

What are the botanical names of weeds and oil palms?

The botanical names of some common weeds include *Amaranthus retroflexus* (redroot pigweed), *Cynodon dactylon* (Bermuda grass), *Cyperus rotundus* (nutgrass), and *Imperata cylindrical* (cogongrass). The botanical name for oil palm is *Elaeis guineensis*.

How can land and pond pollution be minimized? Please state the ways.

Land and pond pollution can be minimized through various ways, such as implementing proper waste management practices, reducing the use of chemical fertilizers and pesticides, implementing erosion control measures, adopting sustainable farming practices, promoting organic

farming, and establishing buffer zones and vegetative barriers around ponds and water bodies.

What are the physical and economic factors that affect land availability for agriculture?

Physical factors affecting land availability for agriculture include topography, soil fertility, climate, water availability, and natural hazards. Economic factors include land prices, competition for land from other sectors, profitability of agriculture, access to markets, and infrastructure development.

How would you define apiculture?

Apiculture is the practice of beekeeping, involving the management and cultivation of honeybees for the production of honey, beeswax, pollen, royal jelly, and other bee-related products.

Can you explain the concepts of flushing, castration, and culling in animal production and their advantages?

Flushing in animal production refers to increasing the feed intake of a female animal before breeding to improve reproductive performance. Castration involves the removal of the testes in male animals to prevent reproduction and enhance desirable traits. Culling refers to the removal of animals from a herd or flock based on specific criteria, such as poor performance, disease, or genetic defects. The advantages of flushing, castration, and culling include improved breeding outcomes, better control of genetic traits, and overall herd/flock management.

What are the uses of measuring tape and prismatic compass in agriculture?

The measuring tape is commonly used in agriculture to measure field dimensions, plot sizes, and crop spacing. A prismatic compass is used to determine direction and orientation in land surveying and mapping,

which can be helpful in planning field layouts and determining boundaries.

Could you list agricultural extension agencies in West Africa?

Agricultural extension agencies in West Africa include the National Agricultural Extension and Research Liaison Services (NAERLS) in Nigeria, the Department of Agricultural Extension Services in Ghana, the Agricultural Extension Department in Sierra Leone, and the Directorate of Agriculture Extension Services in Liberia, among others.

What are the ways through which soils are enriched with nitrogen?

Soils can be enriched with nitrogen through several methods, including the application of nitrogen-rich fertilizers, such as ammonium nitrate or urea, the use of nitrogen-fixing plants in crop rotations or intercropping, the incorporation of organic matter, such as manure or compost, into the soil, and the implementation of conservation agriculture practices that promote soil health and nutrient cycling.

Source: <https://editology.co.za/waec-agricultural-science/>
