

AGRICULTURE

S.1

INSTRUCTIONS:

- The paper contains *two* items .
- Attempt *all the two* items in the paper.

SECTION A: SOIL SCIENCE

Item 1

Mr. Moses, an amateur farmer in Hoima. He joined this business in 2010 with crops, having his life changed for the better from the income he will be farming from maize growing. This has not been realized due to inadequate knowledge in the way he handles planting materials.

Mr. Moses reserves planting materials from the previous season which is usually local varieties. He does not consider size, colour, parent plant, pest damage and any other physical damages. At planting very few of them germinate leading to heavy losses. Moses has thought of leaving the business.

Task:

Based on the above scenario, write a message to Mr. Moses advising him on what to do.

Item 2.

Okalebo acquired a piece of land to grow soyabeans. The soil on the acquired land had a pH of 8.0 and was sticky and plastic when wet. There was a lot of undecomposed plant residue on the soil surface. The seeds he planted were of good quality, however the soybean crops established were stunted in growth and showed chlorosis between leaf veins. These resulted in poor harvests. Okalebo intends to grow the same crop in the following planting season.

Task:

- Identify at least five challenges faced by Mr. Okalebo in his land.
- Explain five agricultural practices Mr. Okalebo should carry out and how they will help improve his soybean production.

SUCCESS