

AGRICULTURAL SCIENCE

TOPIC _____ HUSBANDRY AND CULTIVATION OF SELECTED CROPS

CLASS _____ SSS1

WEEK _____ 4

HUSBANDRY

Husbandry is a special branch of agriculture concerned with the day to day care, cultivation, selective breeding and raising of crops and animals

CULTIVATION OF CEREALS

MAIZE ___ ZEA- MAYS

DESCRIPTION: Maize also called corn is a member of the grass family called Gramineae. It produces grains, used as food by human beings and livestock, the seed is called caryopsis.

VARIETIES\ CULTIVARS: sweet maize, flint maize, dent maize, and popcorn.

LAND PREPARATION: Clearing the land making ridges either manually or mechanically.

CLIMATIC REQUIREMENT: temperature – 26- 30 degree centigrade Rainfall -75cm -150cm per annum.

SOIL REQUIREMENT: sandy –Loamy soil of PH 6-7.

METHOD OF PROPAGATION: By seeds.

PLANTING DATE: Early maize march\April while late maize July\August.

PLANTING: It can be done manually using cutlass or mechanically by planter at 2-3 seeds per hole.

SEED RATE: 20-30kg per hectare of land.

SPACING: 80cm between row and 30cm within row.

CULTURAL PRACTISES: supplying, thinning, weeding, fertilizer application, control of pest and diseases.

MATURITY PERIOD: 90-120days after planting depending on the varieties.

HARVESTING: harvesting can be done manually with hand or using sickle and mechanically using a combined harvester

PROCESSING: It is eaten boiled, roasted, processed into corn flour.

USES: It is consumed by man and farm animals as raw materials for brewery industries.

STORAGE: Dried cobs are stored in cribs, rhombus or a fire place, grains stored in a silo.

RICE—(Oryza- Sativa)

DISCRIPTION: Rice is a member of the grass family (Gramineae).the seed \fruit is called caryopsis.

VARIETIES\CULTIVARS: Swamp rice (toma) and upland rice (Agede).

LAND PREPARATION: clearing the land and making ridge either manually or mechanically.

TEMPERETURE REQUIREMENT: the temperature of 20 degree centigrade, rainfall of 75cm-120cm for upland rice and over 250cm for swamp rice.

SOIL REQUIREMENT: Loamy –clayey soil.

METHOD OF PROPAGATION: By seeds.

PLANTING DATE: south April\may, North August\September.

PLANTING: Planting is done by broadcasting, sowing or drilling.

SEED RATE: 65kg per hectare of 2-3 seeds per hole.

SPACING: 25-30cm apart depending on the varieties.

CULTURAL PRACTISES: supplying, thinning, weeding, fertilizer application, control of pest and diseases.

MATURITY PERIOD: 4-7 months depending on varieties.

HARVESTING: redheads of rice are harvested with a knife, sickle or combined harvester.

PROCESSING: Sun drying, thrashing, winnowing. Parboiling, hulling and polishing.

USES: It is consumed by man and farm animals.

STORAGE: Processed form in silo or jute bags

