Some Important Points in General Agriculture

Important Points

1st KVK was established in	**1974 at Pondicherry**
Total No of KVK at present (2020)	**716**
KVK was set up on the recommendation of committee-	**Dr. Mohan Singh Mehta**
(Kisan Credit Card) scheme was prepared by NABARD on the recommendation of committee	**R.V Gupta Committee**
KCC (Kisan Credit Card) was introduced in	**August 1998**
NABARD was established on	**12th July 1982**
Headquarter	**Mumbai**
Present new Chairman of NABARD	**Shri.Govinda Rajulu Chintala**
NABARD was set up on the recommendation of	**B. Siva Raman committee**
Method of growing plants without soil, by using mineral nutrient solution is known as	**Hydroponics**
VAM: *Vascular Arbuscular mycorrhiza* is used to	**P solubilizing in plant roots**
Mycorrhiza is a symbiotic association between	**Fungus & roots of higher plants**
Cereals are deficient in which amino acid	**Lysine**
Amino acid which is deficient in legumes	**Methionine**
Power tiller is most suitable for the cultivation of	**Paddy**
Tz (tetrazolium) test is done for	**Viability of seeds**
Ammonium polyphosphate contains	**15% N & 62 % P205**
In wet nursery of rice, level of water is maintained	**5 cm**

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The optimum depth of puddling in rice is	**5 cm.**
Ultra violet radiations are absorbed by	**Ozone layer**
Ozone layer is present in which layer of atmosphere	**Stratosphere**
First Indian director of IARI was	**Dr. B. Vishwanath**
The most critical stage of irrigation in wheat is	**CRI stage (21 days after sowing)**
Jhum cultivation mostly found in	**Eastern part of India**
Objective of sustainable agriculture is	**To maintain ecological balance**
The plants growing in salt water are known as	**Halophytes**
Crop canopy temperature is measured by	**Infra –Red thermometer**
Reclamation disease due to deficiency of	**Copper**
Hormone related to drought tolerance is	**2, 4-D (>20 PPM)**
Element available in both anion and cation ions is	**Nitrogen**
Dormancy breaking hormone is	**Cytokine**
Ring worm disease is caused by	**Fungus**
Wind which is cause rainfall in TamilNadu	**North East monsoon**
Stress hardening in plants can be achieved by	**ABA**
Maximum allowable biurate content of Urea is	**1.5%**
Carbon content in organic matter	**58 %**
Nitrogen biofertilizer used for wheat	**Azotobacter**
Nitrogen biofertilizer used for sorghum	**Azospirillum**

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Bio fertilizer more suited for sugarcane is	**Azotobacter**
Free living nitrogen fixing organism is	**Azotobacter**
Vertical mulch is used in soils	**Black cotton soils**
Criteria of essentiality were given by	**Arnon & Stout, 1939**
The optimum spacing for wheat is	**22.5 cm (line to line)**
Major P fertilizer in India in India is	**DAP**
Depth of sowing of soybean seed	**3 cm**
First variety of rice introduced in India is	**TN -1 (1964-65)**
Indian mustard known *as*	***Brassica juncea***
Explosive fertilizer is	**Ammonium nitrate**
Crop is suitable for having ph 4-6	**Rice, tea and potato**
Leg-hemoglobin in root nodule is responsible for	**Transport of oxygen**
Aminophilic plants	**Sugarcane and rice**
Country having 100% of the cropped area under irrigation	**Egypt**
Country having highest irrigation efficiency	**Israel**
Country having highest irrigated area	**India**
India is the first country to develop and use of hybrids in	**Pearl millet (HB-1) in 1965**
Type of soil water which is most useful for plants	**Capillary water**
Pusa giant is variety of	**Berseem, Napier grass and Papaya**
The enzyme of nitrogen reduction is	**Nitrogenase**
The component of nitrate reduction is	**Molybdenum**

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Depth of water required by a crop is known as	**Delta**
Area irrigated by one cusec discharge of water is	**Duty**
Period in days for which irrigation is supplied to a crop is	**Base period**
Rancidity in sunflower oil due to	**Oxidation**
Tillage practice	**Increases the water holding capacity and infiltration rate of soil but reduce bulk density**
A chemical used in agriculture crops in order to *Reduce transpiration*	**Phenyl Mercuric Acetate (PMA)**
Jowar is known as	**Camel crop/Kings of coarse grains**
Agronomic measures used to reduce erosion where slope is	**Less than 2%**
Bench terracing usually practiced on slopes ranging from	**16-33**
Nitrogen fixation in rice field is carried out by blue green algae with water fern	**Azolla**
Cultivations of such crops which have different natural habit and zero competition is known as	**Parallel cropping**
The variety of wheat which is resistant to all the three rusts is	**Choti Lerma**
In sugarcane, taking of ratoon crop is advisable only	**One time**
Cultivation of two or more than two crops of different heights simultaneously on a certain piece of land in a certain period is called	**Multi-storeyed cropping**
IW/CPE Ratio given by	**Parihar et al 1974**

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Functional nutrient	**Nicholas, 1963**
CRI in wheat	**B. L. Bhardwaj**
H-4 hybrid of cotton	**Dr. C.T. Patel in 1970**
Jaya (first Indian variety of rice)	**Dr. Shastry**
Leaf area index	**Watson (1947)**
Photo-periodism concept	**Gardener & Allard 1920**
Thermo-periodism	**F. Went**
Vernalization	**Lysenko**
Bacillus radicicola (now Rhizobium)	**Beijerinck 1890**
Father of golden revolution	**Dr. K.L. Chadda**
Father of Pedology	**V.V. Dokuchaiv**
Father of soil microbiology	**S. N. Winogradsky**
Nursery area required for seedling of rice one-hectare field is	**0.10 ha**
Tip burn of paddy is due to	**Reduced Oxygen and Nitrogen under submerged condition**
Maize leaf develops red and purple colour due to the deficiency of	**Phosphorus**
The size of Thomson seed-less grape increased by the hormone	**GA3**
Most prominent soil group of India	**Alluvial soil**
In SSP sulphur contains	**12 %.**
Micro nutrient deficient in Indian soils	**Zn**
Spike tooth harrow is a type of implement	**Secondary tillage**
Most widely used for correcting soil acidity	**Lime**
Diara cultivation method is followed in	**Cucurbits**

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C: N ratio of organic matter is	**10:1**
National Seed Act passed in	**1966**
National Seed Corporation in	**1963**
Root promoting hormones	**IBA**
Flower and fruit setting hormone	**NAA**
Bench terracing is done when slope is more than	**15 %**
Mass per unit volume is called	**Bulk density**
Disk plough is used when the soil is	**Tough**
First man made cereal is	**Triticale**
Cheapest N contains fertilizer is	**Urea (46%N)**
First product of urea hydrolysis	**Ammonium-carbamate**
The fruit of mustard is known as	**Siliqua**
Supplemental irrigation is known as	**Life saving irrigation**
First irrigation before sowing the crop for seed germination and seed establishment	**Palco**
Lunishree is a variety of	**Super rice**
Plants with male and female flower are	**Monoecious**
National biodiversity board is situated at	**New Delhi**
Beaufort scale is used to measure	**Wind force**
Die back of shoots occur due to deficiency of	**Copper**
Grey spots on leaves occur due to deficiency of	**Manganese**
Indian soils are mainly deficient of	**Nitrogen**
Most destructive disease of sugarcane is	**Red rot of sugarcane**
Potatoes are borne on	**Stolon**
Potato tubers are a modified form of	**Stem**

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Sugarcane sowing in trench method to prevent	**Lodging**
For seed purpose carrot is grown as	**Biennial**
Boron is harmful for plants having concentration	**More than 3 ppm**
Maximum productivity among cereals	**Maize**
Kaolin is a type of anti-transpirants	**Reflecting type**
Cycocel (CCC) is a	**Growth retardants**
Family of sesame	**Pedaliaceae**
Family of jute	**Tilliaceae**
Which family of crop is more exhaustive	**Gramineae**
Origin of maize	**Mexico**
Origin of tobacco	**Mexico**
Origin of soybean	**China**
Highest area of summer maize	**Bihar**
Indian Journal of Agriculture Sciences is published by	**ICAR**
Yellowing of tea leaves occurs due to the deficiency of	**Sulphur**
The greenhouse gas that released from paddy field is	**Methane**
The edible part of sweet potato *(Ipomoea batata)* is	**Adventitious root**
Carbon dating technique is used to determine age of	**Fossils**
The irrigation method which is suitable for saline soil	**Flooding method**
Element contributing to the disease & drought resistance	**Potassium**
Element involved in energy transfer and storage in plants	**Phosphorus**

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Nutrients are termed as essential elements for plants	**17 nutrients**
➢ Apical bud dominance is caused by which hormone	**Auxin**
➢ Highest production of cereals in world	**Wheat**
➢ De-suckering is a process of a crop	**Tobacco**
➢ Tobacco chromosome	**2n= 48**
➢ Sequence of different operations in tobacco crop is	**Topping, De-suckering, Priming, Curing**
➢ Fertilizer application through irrigation known as	**Fertigation**
➢ One of most important cultural practice in rice field	**Puddling**
➢ Saltation is a process of	**Wind erosion**
➢ Irrigation efficiency of loamy soils	**70% (highest)**
➢ Sowing pattern used in dry land	**Broadcasting**
➢ The weed, which was first biological controlled	***Lantana camera***
➢ State, where seed law was 1st adopted	**Karnataka**
➢ Soil moisture tension directly measured by	**Tensiometer**
➢ Evapo-transpiration measured by	**Lysimeter**
➢ Parshall flame is used for measurement of	**Water flow**
➢ Flooding irrigation method commonly used for	**Rice**
➢ Most efficient method of irrigation is	**Drip irrigation**
➢ Extensively grown pulse crop	**Chick pea**

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in India	
➢ Relative humidity measured by	**Psychrometer**
➢ Crops growing for conserve soil moisture known as	**Mulch crops**
➢ Example of erosion permitting crop	**Maize**
➢ Example of erosion resistant crop	**Cow pea**
➢ The herbicide used as pre – plant in corporation is	**Fluchloralin**
➢ Example of C4 weed is	**Common lamsquarter**
➢ The botanical name of two rowed barley *is*	***Hordeum distichon***
➢ The name of six rowed barley is	***Hordeum vulgare***
➢ First AICRP was started in which crop	**Maize 1957**
➢ What is the optimum plant population for Bt cotton	**10,000 plants/ha**
➢ Dropsy disease in human being is caused by which weed	***Argemone Mexicana***

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