

welcome to the today's session
the topic for the session is economic
importance of
earthworm so outline of this this
session will be
the economic importance of the earthworm
the students will learn
the economic importance of earthworms
now earthworms are familiar to everyone
and know its important from ancient
times
they are known to exist from
pre-cambrian period that is about 600
million years ago
over these years the morphological
changes
not much has been taken place in the
earthworms
nor between the species the darwin
in 1881 first time identify the
use of earthworms for a
decomposition purpose use of artificial
and chemical fertilizer
faded their importance though the
importance has been known from the
very ancient times the use of this
artificial and the chemical fertilizers
faded their importance
but in the recent years the farmer
realized their importance
they realized that they are not just as a fish baits
but they can be also used for to
raise the soil
fertility now earthworms have a
diversified potentials in different
fields
some of them are the waste
decomposers
now these earthworms are very much
adaptable or they are very much
fond to agriculture waste example will
be the sugarcane waste
now these waste can be converted into a
useful compost with the help of
earthworms the second is the bio
fertilizer manufacturers
as we know whatever the domestic waste
that we generate
can be composed with the help of
earthworms this compost can be used
for organic farming the next is a for
land reclaimer and for
water conservation now the infertile
soil can be
fertile by introducing the
earthworms
now earthworms are known to also helpful in the water
conservations
as they make soil loose
they help to regenerate the ground
table water the next importance of the
earthworm is a

as a protein sources
now this earthworm contains about 70 to 80 percent of the protein
on a dry weight *Lampito mauritii* species has a high protein in their body tissue and they are suitable for a fish bait poultry and a fish feed they are rich in lysine they are rich in also some of the essential amino acid now other than the proteins the earthworms are also known to contain various vitamin sources this vitamin present in the earthworms are niacin riboflavin pantonic acid folic acid biotin among them the niacin is important for the purpose of to make the animal feeds the next important of the earthworm is a
Earthworm as a drug source in india the paste of dried worms are prepared for curing diseases in unani system of medicines so when you applied it externally it is used in treating wounds chronic boils piles sore throat hernia and impotency when used internally they are useful in curing chronic cough jaundice rhythmic pains tuberculosis bronchitis the facial paralysis and impotency now they have been also used in folked medicine to cure different diseases earthworms are known to be a natural detoxicant for pollution control now here the different researchers identify them as a bioindicator of soil contamination with metals and pesticides these heavy metals are known to have a fond towards the biological tissues but their elimination from the biological tissue is very slow earthworms are known to take all these heavy metals into their tissue and they can store it so this help to reduce the soil pollution now when the researchers analyze a particular animal from the particular area come to a conclusion of the the kind of soil pollution that has taken place or what kind of heavy metals pollution that take place in that particular area by analyzing this earthworm species so because of this reason they are considered as the bio indicator of the soil pollution earthworm as a bait

as we know the earthworms are known or popular among the fishermen for the baits though areas ruler areas or the coastal areas both the places we have known that these earthworms are used as a baits vermicompost and for the crop production the importance of the earthworm for a vermicompost and the crop production they help to protect the soil fertility they are known to boost the productivity they enhance the quality of the end product the reduction of the pest and the disease problem now this as we know this the compost contains the the minerals and the nutrients so this comes vermicompost increase the availability of npk content in this soil that is nitrogen potassium phosphorus in the soil now other than some important economic importance of the earthworm they also have some harmful activities the first is the soil erosion this soil erosion when the cast is present on the sloping areas it can be washed off from with the water but this is a very negligible then the other harmful effect of the earthworm is a as they are a disease carrier earthworms are known to have a affinity towards the some of the as external parasite towards one some of the frog species and the human beings when such animals they die and when they borrowed under the soil this animal might feed on this decaying animal or they will come in contact with this decaying animal so they will carry these viruses or the diseases from below ground to the top surface from the top surface it can be passed on to the the animals we which are feed upon those earthworms the next harmful activity of the worms is a damage to the plants as we know these animals are voracious feeders they feed continuously so while feeding they might feed upon the tender plants or the roots of the young plants

that would
damage the young plants