

# Turning fish waste into fertiliser (Summary)

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The overuse of chemical fertilizers has destroyed soil life making soils less productive. As fertilizers become expensive, farmers' profits dwindle. A bad year can force them into debt.

Soil health can be improved by using natural local resources such as fish waste. Fish waste is the guts, heads, skin or another part of the fish that people do not eat. This waste is often thrown away. When fermented or composted, fish fertilizer increases soil fertility, promotes crop growth and increases yield. To prepare liquid fish fertilizer, chop fish waste into pieces and coat with raw sugar or molasses. Pour the mixture into a plastic bucket and cover it with an air tight lid. Keep the bucket in the shade and mix the solution once a day.

## Fish Fertilizer Preparation

After four weeks, dilute it with water and drench soil or spray it as a four layer fertilizer onto the crop.

To prepare solid fertilizer, dig a pit in a shady place. For each 30 kilograms of fish waste, add 10 kilograms of raw sugar or rotten fruits. Mix well and add 60 kilograms of decomposed cow dung. Put the mixture into a pit and cover it with leaves. The solid fish mixture will be ready in two months.

## Soil Fertility

Soil fertility is declining due to excess use of chemical fertilizers. If this continues, the soil may become uncultivable. Nature has given many solutions to restore the soil quality.

Revive and enrich your soil with natural fertilizers like fish manure so that future generations can live a healthy life without food shortage.