



Subash Chandra Bose, class 8, St. Sebastiyar Matriculation School, Pudukkottai, Tamil Nadu

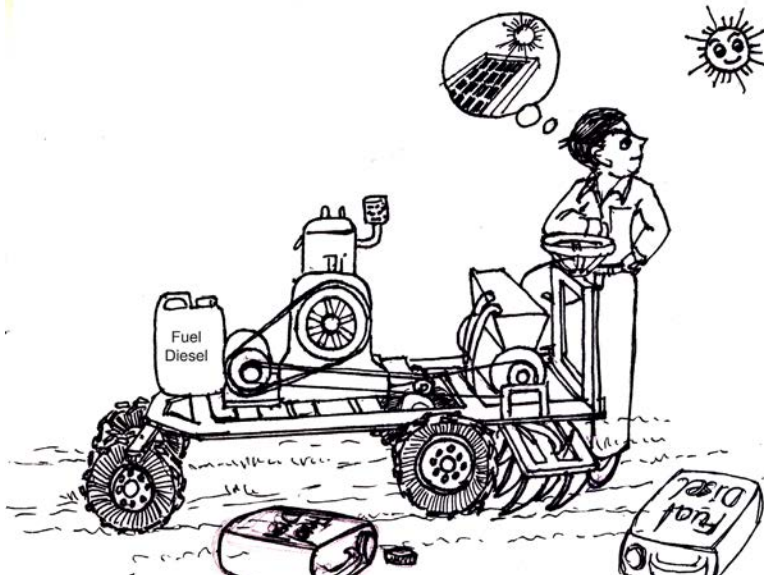
“I want to become a scientist in the field of nature and agriculture and preserve organic farming. I would like everyone to understand the importance of nature and agriculture,” says Subash, who likes farming and reading about agriculture. He also writes poems and takes a keen interest in spreading social awareness about nature.

His inspiration for organic farming is Dr Sultan Ahmed— a vermi-compost specialist and Dr APJ Abdul Kalam.

Solar seeder

Subash Chandra Bose, class 8, St. Sebastiyar Matriculation School, Pudukkottai, Tamil Nadu

Among other challenges in agriculture, labour availability for ploughing, sowing seeds and harvesting is a major issue



Subash has developed a solar powered seed drill, which can work for different size of seeds at variable depth and space between two seeds while planting.

107

Born into a farming family, Subash understands the challenges faced by farmers. "One day, while I was sowing seeds, I imagined an eco-friendly seed drill, which can address the issue of labour shortage," says Subash.

The machine has a seeding unit, which has a hopper filled with seeds. There is a wooden roller on which holes are drilled. When the seeds fall from the unit in to the wooden roller, it will transfer the seeds to connected hose and transfer them to the ground.

