

Dredging out of Drought

Farmers in India are turning silt into black gold

Districts in Maharashtra are creating a more prosperous and sustainable future by beneficially reusing silt to enrich their soil and increase the overall resiliency of their communities.

Many factors contribute to the drought in Maharashtra, some of which cannot be controlled. However, by dredging or desilting the existing reservoirs (or "tanks") and beneficially reusing the removed silt, major improvements to storage capacity, balance of ground and stored water, irrigation, and crop health can be achieved.



TOP 5 CONTRIBUTING FACTORS OF DROUGHT IN MAHARASTRA



1

INSUFFICIENT RAINFALL



2

INSUFFICIENT STORAGE



3

INSUFFICIENT BALANCE



4

INSUFFICIENT IRRIGATION



5

POOR CROP SELECTION



SILT solution



Depending upon the soil, the incorporation of silt at a mix rate of

200-300 m³/acre

dramatically improves the health, drought resistance, and productivity of the soil, year over year, for a period of at least

10 years

BENEFITS OF A SILT SOLUTION



INCREASED

- water retention
- crop production (2-3x)
- crop cycles (2-3x)
- crop variability



DECREASED

- fertilizer by 50%
- weeds

HOW does this help the crops?

2X yield at minimum

HIGHER quality threads

IMPROVED crop health and resiliency