

SOIL POLLUTION - FULL MIND MAP

Topic-wise | Hinglish | SSC / BPSC / BSSC / Railway

Topics in this chapter:

1. Fertilizers, Pesticides & Reactive Nitrogen
2. Crop Rotation, Food-cycle Contamination & Soil-pollution Risk

1. Fertilizers, Pesticides & Reactive Nitrogen

- chemical urvarak ka use nitrogen kshay (Loss) ka reason hai aur soil aur land decomposition mein contribution karta hai. sinchai agriculture mein use kiye gaye chemical urvarak se surface water aur groundwater source (Sources) polluted hote hain, jisse water quality dushit hoti hai. [Q1]
- pesticides in agriculture - hal mein Kerala state ke agriculture vibhag ne agriculture mein used different vishaila kitanashak par pratibandh ka adesh diya tha. is avadhi mein Kerala agriculture vishvavidyalay se pratibandhit kitanashak ke option (Alternatives) dene ko kaha gaya, jinmein karbophyuran, phoret (Phorate), mithail pairathiyon, monokrotophos (Monocrotophos), mithail demethon, prophenophos aur trayajophos shamil the. [Q2]
- 1, 2 and 3 - jab soil ki condition apaanitrikaran (Denitrification) ke liye friendly ho aur us land mein bahut zyada urvarak ka use ho, to agriculture land se badi amount mein nitrous oxide paida hota hai. isliye statement 1 sahi hai. pashudhan (Livestock) agriculture mein animal waste ka common up-products (By-Product) amoniya hai. isliye dusara statement bhi sahi hai. amoniya (NH_3), nitrate (NO_3), nitric oxide (NO), nitrous oxide (N_2O) abhikriyashil nitrogen ki category mein ate hain. pashudhan (Livestock) aur kukkut abhikriyashil nitrogen ke emissions ke sources mein hain. isliye statement 3 bhi sahi hai. [Q3]

2. Crop Rotation, Food-cycle Contamination & Soil-pollution Risk

- phasal cycle ek hi land par kramik roop se alag-alag phasalen lagane ki pratha hai, jisse soil health sudharati hai. farming mein phasal cycle soil urvarata (Fertility) ka management karne, aparadan (Erosion) ghatane, soil health sudharane aur phasalen ke liye available nutrient tattv badhane mein important bhumika nibhata hai. [Q4]

EXAM TRAP urvarak aur kitanashak soil ko dushit kar food-shrinkhala mein enter kar sakte hain; isliye reason (R) ek vastavik sanpark-marg batata hai. lekin soil pollution ko industrial pollution se universal roop se "zyada khataranak" kahana aparibhashit comparison hai; jokhim pollutant, amount, sanpark-marg, abadi aur avadhi par dependent karta hai. di gayi shabdavali se statement (A) ko universal roop se saty ya asaty declared nahi kiya ja sakata. [Q5]