

Do Ecology

(1)

Sustainable Rice - Wheat Rotation - A. Rice

Step 1. Undertake rain water harvesting during Kharif

Step 2. Select high value but short duration ~~low~~ rice varieties like Pusa - Punjab - Basmati 1509, which ~~is~~ ^{natural} in 116 days; in contrast, the popular Pusa Basmati variety 1121 takes 145 days

Step 3 Adopt a 3 year rotation during the podarif season -

2 years rice and 1 year

Pigeon pea or high um

Bajra hybrid

Add value to biomass.

Step 4 Prepare value-added products from rice straw, bran and husk (establish a Rice Bio Park)

Do Ecology

Sustainable Rice - Wheat Rotation

B. Wheat

short duration

Step I. Select wheat varieties characterized by high per day productivity

Step II Sow the wheat crop

in early November, after rice harvest (timely sowing will help in harvesting the crop before night temperature goes up)

Step III

Adopt a 3 year rotation - 2 years of wheat and 1 year of berseem or chick pea (fodder or grain legume)

Le MERIDIEN

Step IV

Use the water harvested during the Kharif season for 1 or 2 irrigations

