

## Land Utilisation

Land utilisation refers to, aside from residential land, arable land and grass lands, how use land to the best advantage and identify the potential of marginal lands. Marginal land comprises of wasteland, desert land and economic forests etc., which could be used to grow first or second generation energy crops.

### *Trajectory 1*

In this scenario, first generation energy crops are developed. In 2050, second generation energy crops are grown in 7.4 million hectares, making up 6% of arable land area.

### *Trajectory 2*

In this scenario, first and second generation energy crops are developed

simultaneously, and 900,000 hectares of first generation energy crops and 11.83 million hectares of second generation energy crops are grown on marginal land.

### *Trajectory 3*

In this scenario, by 2050 there are 1.8 million hectares of first generation energy crops and a further 20.56 million hectares of second generation energy crops grown on marginal land.

### *Trajectory 4*

In this scenario, in 2050 energy crops will be developed in a large area of land. First generation energy crops will be grown on 2.88 million hectares of land, and second generation energy crops will be grown on 34.2 million hectares.