

Effectiveness of pest and disease reduction practices

Excellent

0.62

Good

0.22

Poor

0.16

Available soil nutrients

Plenty

0.46

Satisfactory

0.34

Deficient

0.3

Effectiveness of Weeding

Excellent

0.5

Good

0.3

Poor

0.2

Pest and disease impact

Minor

0.6

Significant

0.19

Severe

0.21

Agricultural management efficiency

High

0.46

Medium

0.27

Low

0.28

Weed impact

Negligible

0.52

Moderate

0.13

Consuming

0.36

Pest and disease impact at development stage

Minor

0.6

Significant

0.19

Severe

0.21

Weed impact at development stage

Negligible

0.52

Moderate

0.13

Consuming

0.36

Effectiveness of cropping options

Efficient

0.49

Inefficient

0.51

Farming constraints

Low

0.34

Medium

0.47

High

0.19

Crop type

Rice

0.2

Teff

0.1

Maize

0.4

Sorghum

0.3

Water supply adequacy

Adequate

0.52

Inadequate

0.48

Available soil water

Waterlogging risk

0.63

Normal

0.29

Drought risk

$7.7 \cdot 10^{-2}$