

Figure S1. Weedy rice contamination evaluation conducted in 2015 by the Council of Agriculture, Executive Yuan, Taiwan, R.O.C.

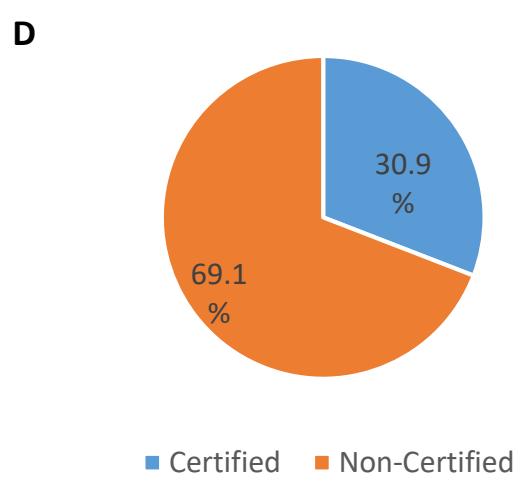
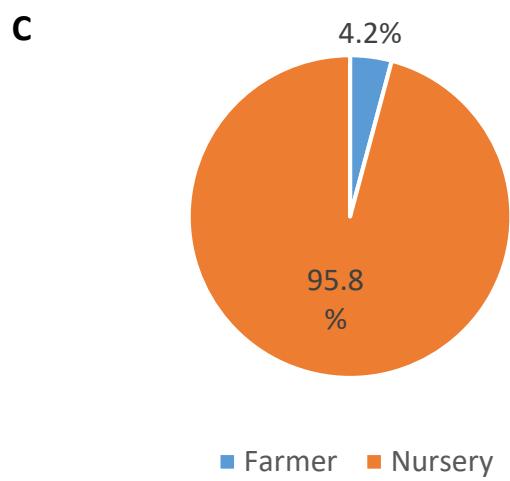
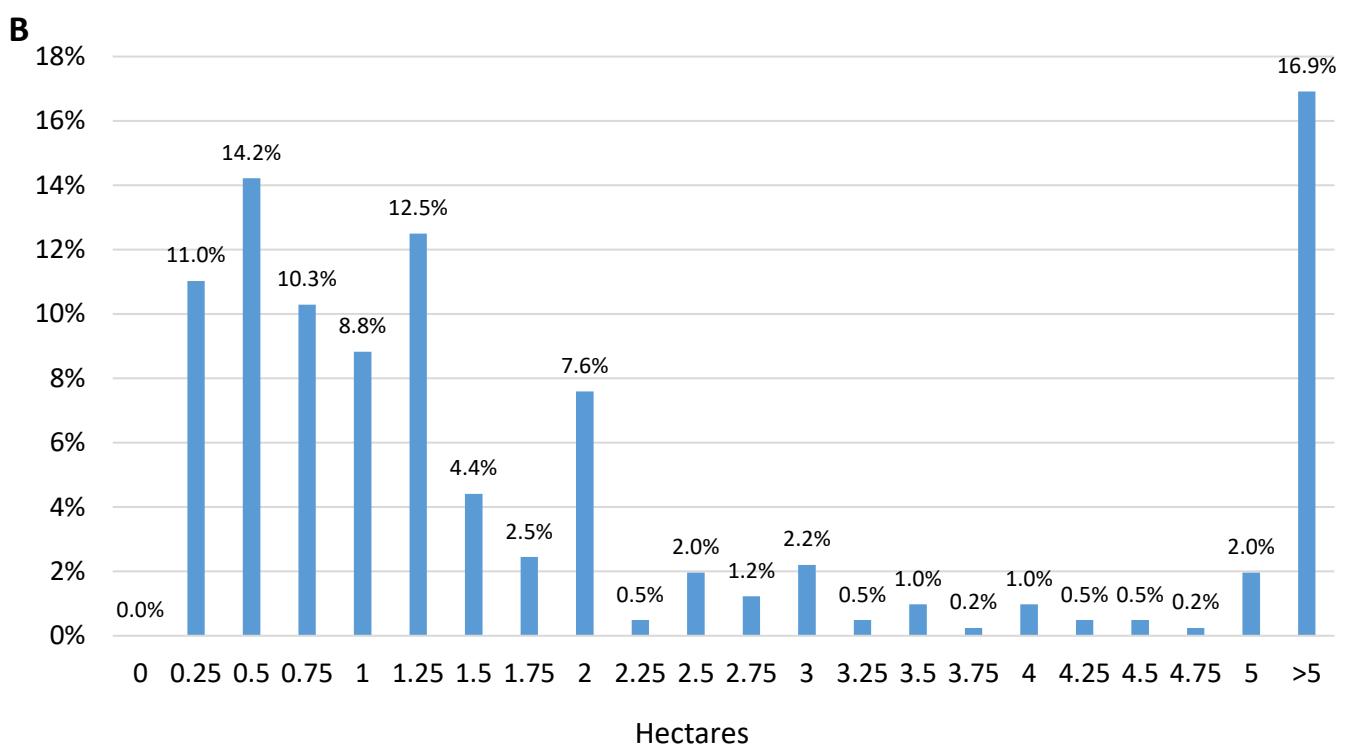
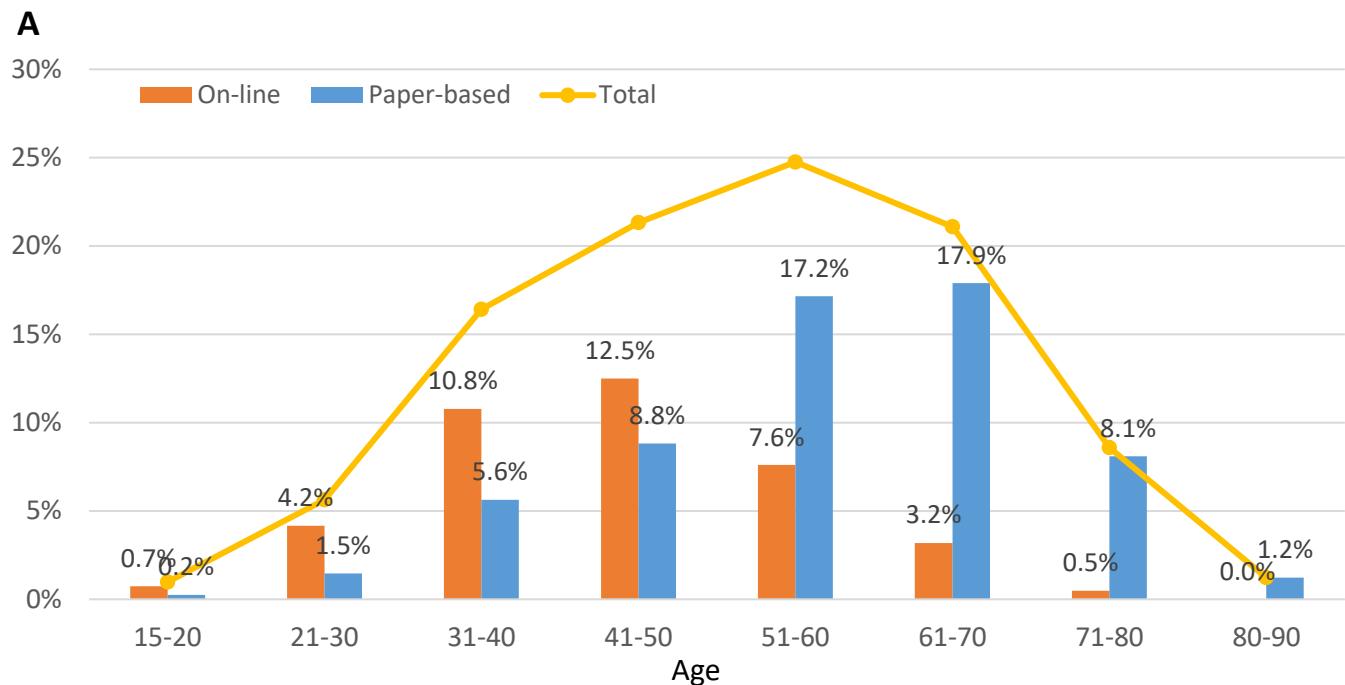


Figure S2. General information about the respondents. A, Age structure and source of responses, B, field size of respondents; C, Source of seedlings purchased from seedling nursery or prepared by farmers themselves; D, seedlings from certified or non-certified nurseries.

### Geographical Distribution of Farmer-Identified Major Weeds

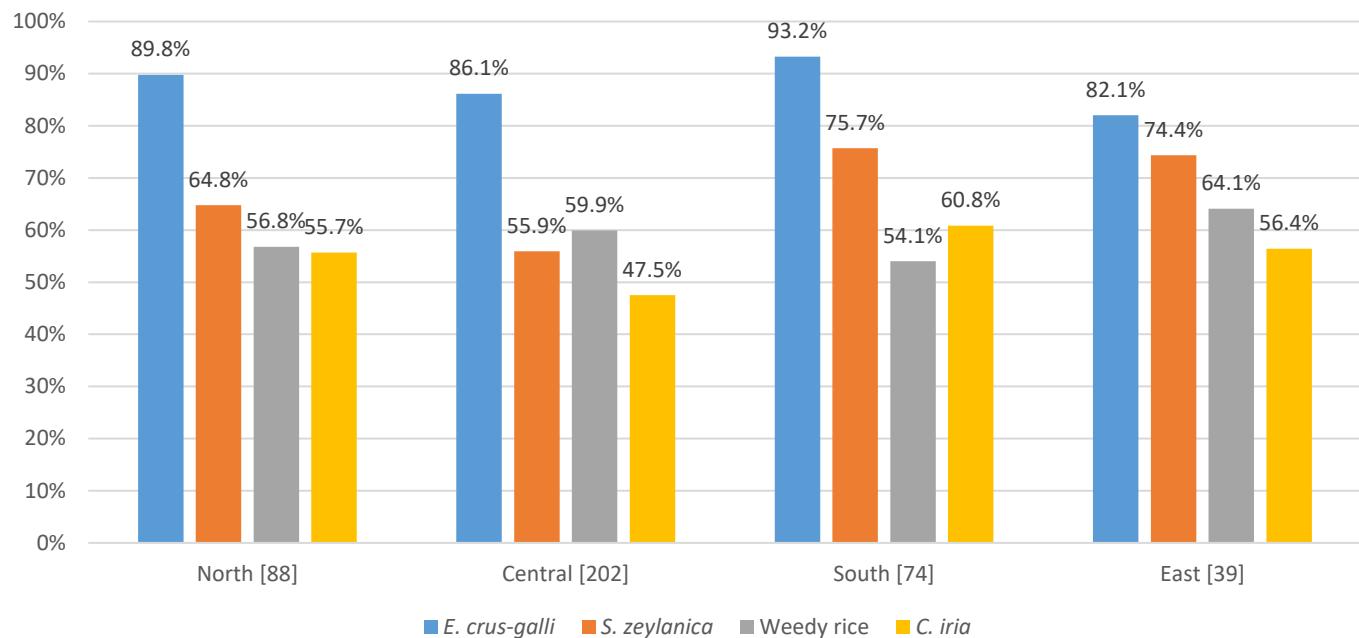


Figure S3. Geographical distribution of farmer-identified major weeds. Number of responses collected from each region is indicated between brackets.

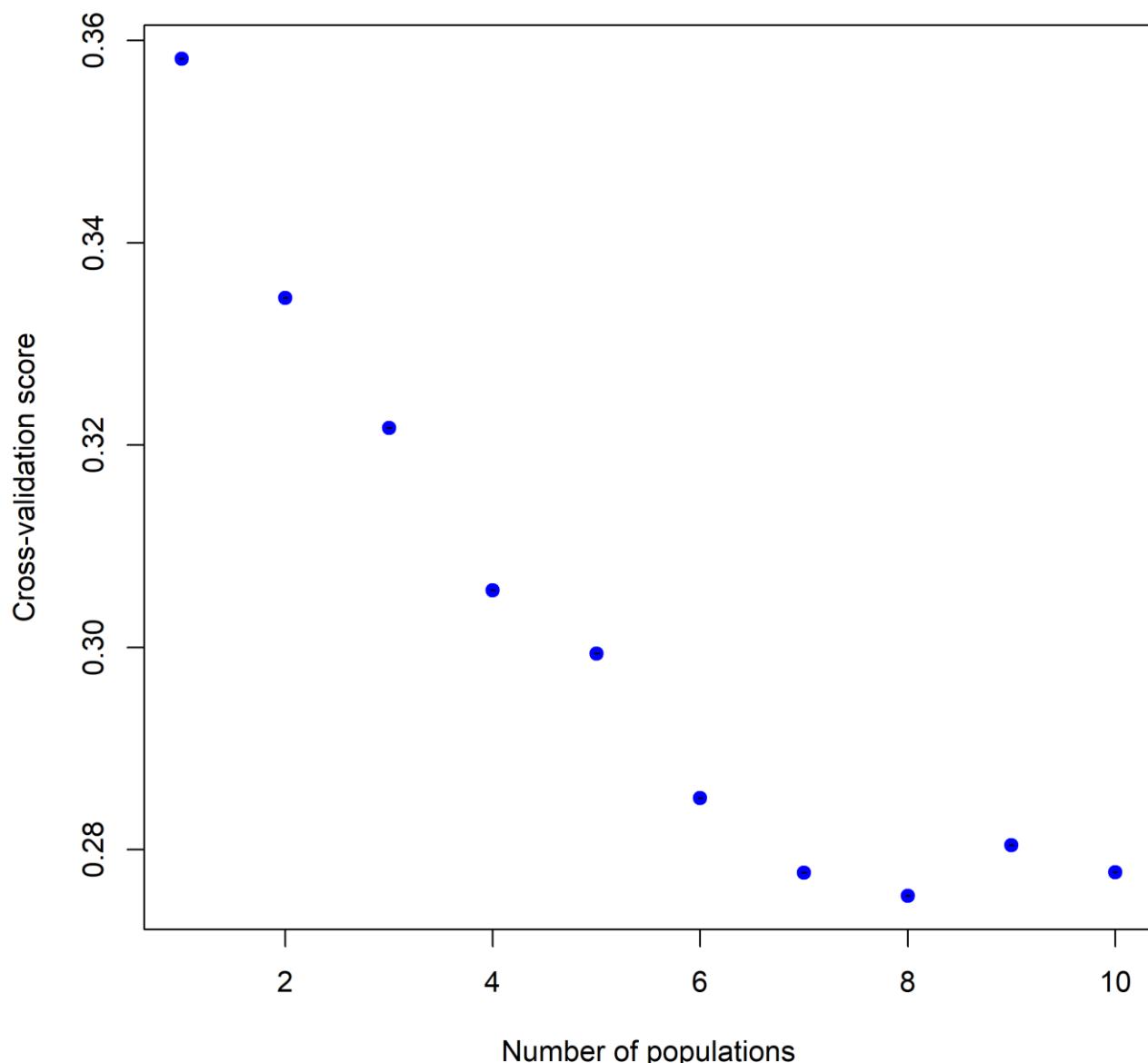


Figure S4. Cross-validation scores for  $K = 1$  to 10 in nonnegative matrix factorization (NMF) analysis based on growers' farming operation practices.

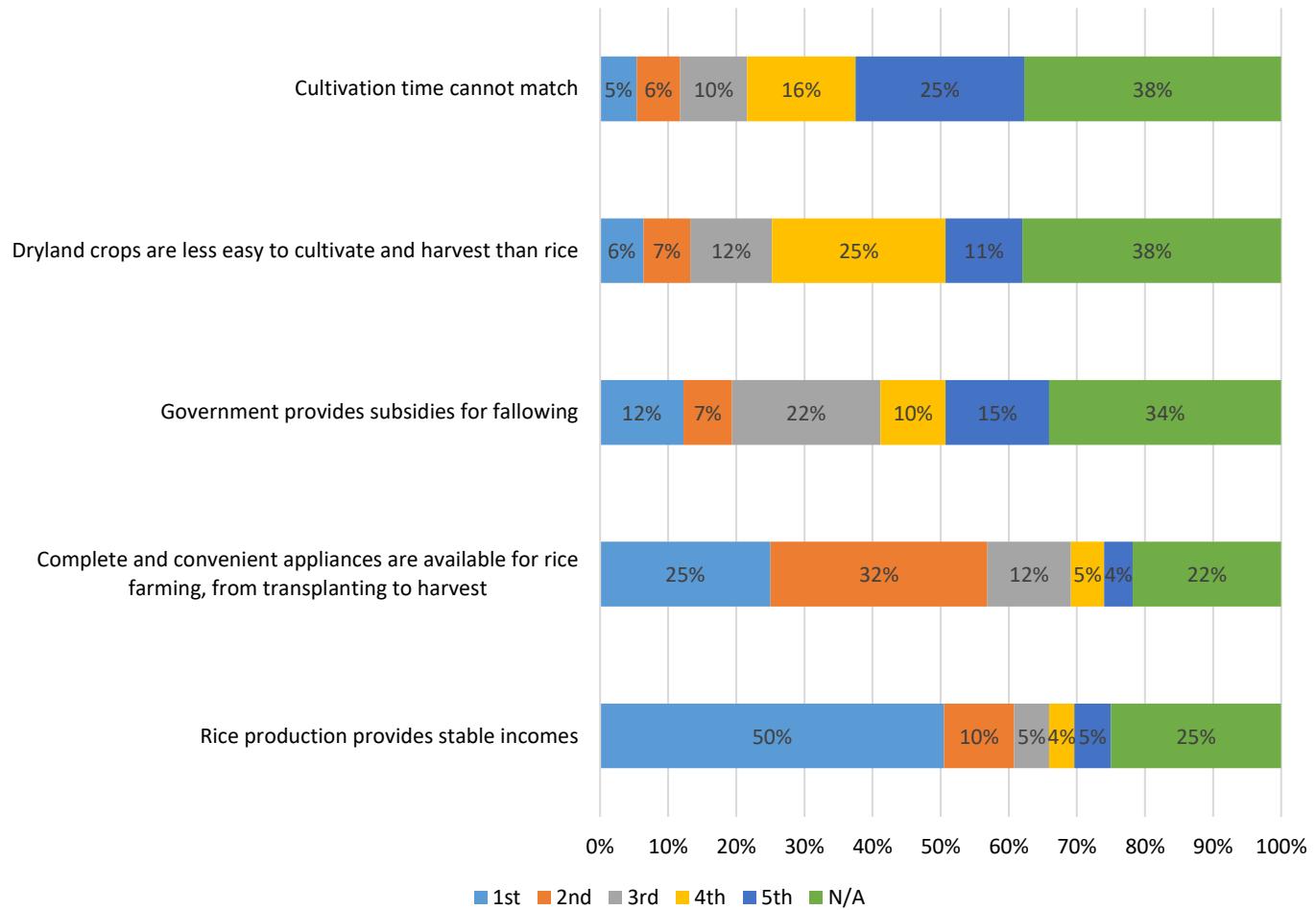


Figure S5. Reasons for not applying rice-dry land-crop rotation.