**List of plates**

Plate 1. Pure culture of *A. flavus* colonies on AFPA agar medium after 48 hours growth at 30±1°C showing typical orange yellow pigmentation on the reverse surface of the colonies.

Plate 2. Nine isolates of *A. flavus* isolated from rice grains showing morphological variations and sclerotia production. A Surface view of the colonies, B Reverse view of the colonies.

Plate 3. Moulds isolated from grains (paddy) of Aijoung summer variety (A) and Aijoung winter variety (B) on two culture media. Upper 4 culture plates in each photograph contain CDA and lower 4 plates MSA medium. Arrow mark indicates an *A. flavus* colony. SC Surface contaminants; SI Surface invaders; IF Internal fungi; KF Kernel fungi.

Plate 4. Moulds isolated from grains (paddy) of ‘Joha’ winter variety (C) and ‘Bora’ winter variety (D) on two culture media. Upper 4 culture plates in each photograph contain CDA and lower 4 plates MSA medium. Arrow mark indicates an *A. flavus* colony. SC Surface contaminants; SI Surface invaders; IF Internal fungi; KF Kernel fungi.

Plate 5A. Surface mould contaminants of Parimal (A), Aijoung (B) and PDS (C) rice (polished) isolated on CDA (upper two rows) and MSA medium (lower row). Each arrow indicates an *A. flavus* colony.

Plate 5B. Surface mould contaminants of ‘Bora’ (S-7) and ‘Joha’ (S-8) rice (polished) isolated on CDA medium. Each arrow indicates an *A. flavus* colony.

Plate 6A. Moulds isolated from parboiled (A and B) and flaked rice (C) on CDA (upper row) and MSA medium (lower row). A Surface contaminants and B Internal contaminants of parboiled rice. C Surface contaminants of flaked rice. An arrow indicates an *A. flavus* colony.

Plate 6B. Moulds isolated from flaked rice on CDA (upper row) and MSA (lower row) by direct plating (1) surface sterilized (2) and dilution plate method (3). Each arrow indicates on *A. flavus* colony.

Plate 7(A & B). ‘Bora’ rice after 12 months of storage.

Plate 8. Fungi isolated from air inside a rice warehouse (A) and over a rice field (B). Upper 4 culture plates contain CDA medium and lower 2 plates contain MSA medium. Each arrow mark indicates an *A. flavus* colony.

Plate 9. Milled rice grains before storage (upper row) and after storage for 12 months (lower row) in *S. oryzae* free (1) and *S. oryzae* infested condition (2 to 4). 1 and 2 Aijoung rice, 3 PDS rice, 4 Parboiled rice.

Plate 10A. Moulds isolated from *S. oryzae* collected from stored rice. Each arrow indicates an *A. flavus* colony.

B Reverse view of culture plates in A.

SO *S. oryzae*. 