

Oryza sativa L. (Poaceae)

Spikelet

Multiple floret spikelet consisting on one fertile floret and two sterile florets attached above two lobe-like, highly reduced glumes; disarticulation above glumes with fertile and sterile florets falling together as a unit

Floret

General shape: narrow elliptic with parallel, straight sides, laterally compressed

Size: fertile florets 4.0-11.0 L x 2.5-4.0 W x 2.0-3.0 D mm; sterile florets 1.5 – 3 (10) L x 0.5 – 1.5 W mm

Color: straw or brownish

Texture: cartilaginous, lengthwise veined, rough grid-like pattern, dull with some stiff hairs towards the apex

Distinguishing features: Lemma keeled, margins clasping the margins of the palea, awn, when present, apical; palea similar in texture and length as lemma, keeled, unawned

Caryopsis

General shape: elliptic or oblong, laterally compressed,

Size: 4.0-8.8 Lx 2.3-3.8 Wx 2.0-2.8 D mm

Color: white, tan, brown, red

Texture: smooth, shiny or waxy.

Embryo (2): small and slim, located on edge of caryopsis, the root-shoot axis about 1/5 the length of the caryopsis.

Endosperm: solid

Hilum: linear, located on edge opposite embryo



Florets (1) and seeds of *Oryza sativa*