

**Sardine / *Sardina pilchardus*****A - IMMATURE**

EMPTY GONADS,  
WITHOUT EGGS

TRANSLUCID WITH  
VARIABLE COLOURS

TUBULAR SHAPE

**B - DEVELOPING**

FILLING OPAQUE  
GONADS

non-hydrated eggs  
SOMETIMES visible

**C - SPAWNING**

AT LEAST 1 VISIBLE  
HYDRATED EGG

More and more  
transparent

**D - REGRESSION/REGENERATION**

BLOOD RESIDUE IN  
TISSUES

FEW HYDRATED  
EGGS STILL PRESENT

FLABBY AND  
RELAXED GONADS



**Sardine / *Sardina pilchardus*****E - OMITTED SPAWNING**

UNDETERMINABLE WITH THE NAKED EYE

**F - ABNORMAL**NECROSIS,  
SCLEROSIS OR  
INTERSEX

Picture	Sex	Species	First maturity size
		<i>Sardina pilchardus</i>	13 - 18 cm

**References/Photos :**

ICES (WKASMSF 2018 &amp; WKMATCH 2012),

IFREMER,

Quéro J-C. et Vayne J-J.2008. Les poissons de mer des pêches françaises : delachaux et niestlé, 304

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