Remote Setting Aquaculture Program
Larval Setting Record

Site:

Tank:

Date set:

Date of flow-through:

Date planted:

No. shell bags:

Bushels shell:

Brood ID:

Strain: Diploid Wild   Diploid DR_____   Triploid_____

Hatchery:

No. larvae set:

Avg. spat per shell:

Water salinity:

Water temperature:

Weather notes:

Settlement notes (*barnacles, stylochus, coloration, algae, spat per shell*):

Planting notes (*area, total planted, planting density, etc*):

Useful metrics

Shell totals:

One shell bag from Piney Point or ORP is about ½ bushel so 2 bags equal 1 bushel

Calculations:

A. **Calculating spat per shell**
   Collect 30 random shells and count all spat on those shells. Add those numbers together and divide by 30 (number of shells counted).

   Example:

   $$\frac{Number\ of\ spat\ counted}{Number\ of\ shells\ counted}$$

   300 total spat were counted on 30 shells. 300 spat / 30 shells = **10 spat per shell**

B. **Calculating total spat planted**
   Multiply number of spat per shell (A, from above) by how many shells are in a bushel (~450). Multiply that number by how many bushels are in the tank.

   Example:

   Spat per shell x Shells per bushel x Number of bushels

   10 spat/shell x 450 shells/bushel x 100 bushels = **450,000 spat planted (0.45 million)**

C. **Calculating density per bushel**
   Divide total spat planted (B, from above) by how many bushels of shell were used.

   Example:

   $$\frac{Total\ spat\ planted}{Number\ of\ bushels}$$

   450,000 spat / 100 bushels of shell = **4,500 spat/bushel**