

Mike Sipe

Tilapia Aquaculture International

1002 Piney Point Rd.

Palmetto, Fl 34221

Phone 941 729 2012

fax 941 729 7191

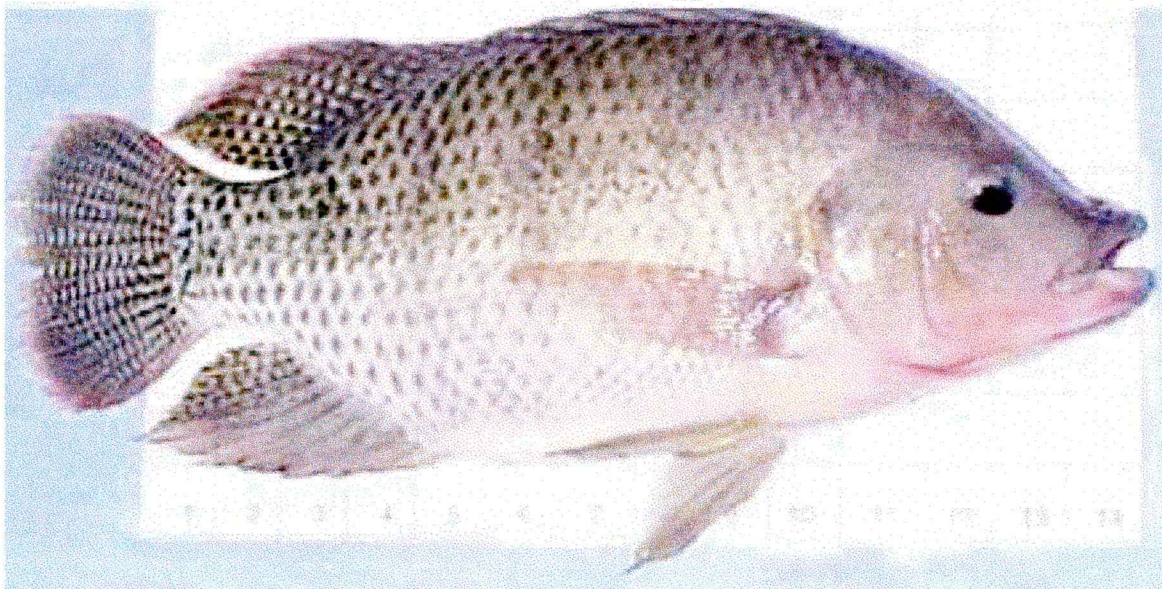
Web Sites: <http://www.cherrysnapper.com/>

<http://www.eclipse.com/sipe/>

email [mikesipe@aol.com](mailto:mikesipe@aol.com)

September 4, 1999

Dear Sir: What I am sharing with you today may be the prelude to a major breakthrough in the World of Aquaculture. We now have some good evidence that we have a fish that can really grow to 5 pounds in one year. The evidence is in the measurement of 5 Chocolate Hybrids that have been weighted, sized and grown for measured periods of time.



Tilapia above was photographed and weighted in January 1999 Weight 3.3 pounds

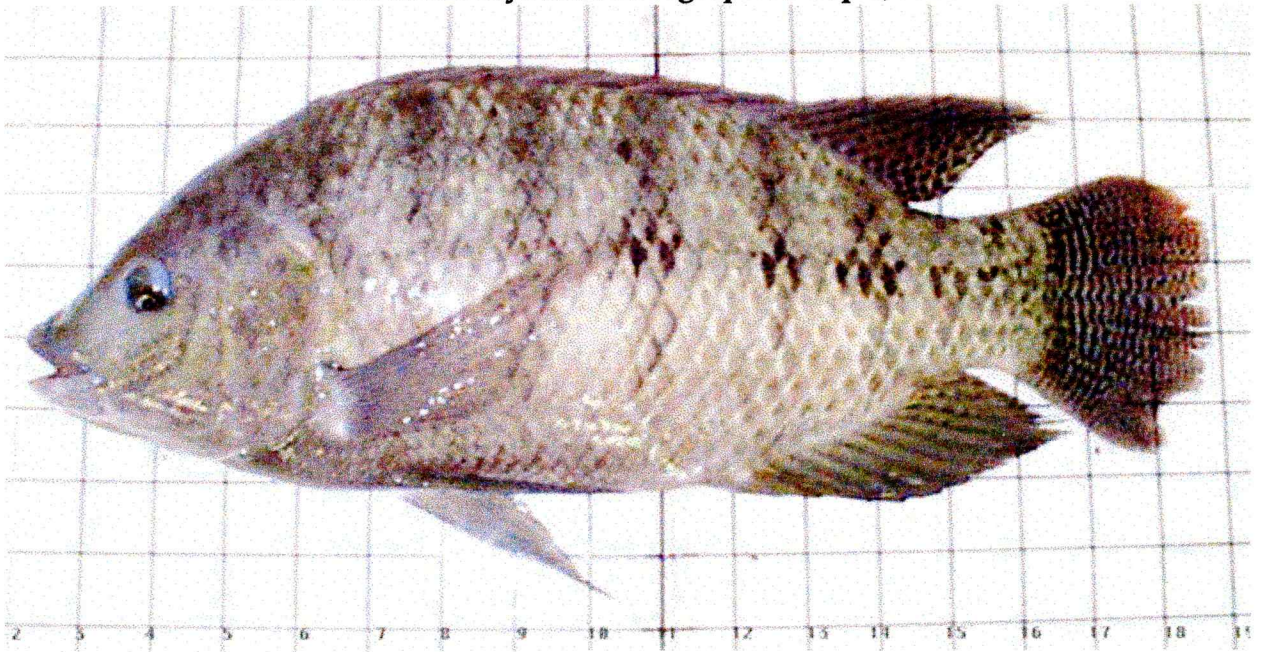
This is important because these are not Genetically Altered and do not have any gene implants but are simply F-1 hybrids of two fish that produce all male hybrids that grow like crazy.

The grid is one inch by one inch and so the total size of the fish show in this picture is approximately 14 inches in length and 5 inches deep, at the time of this photograph.

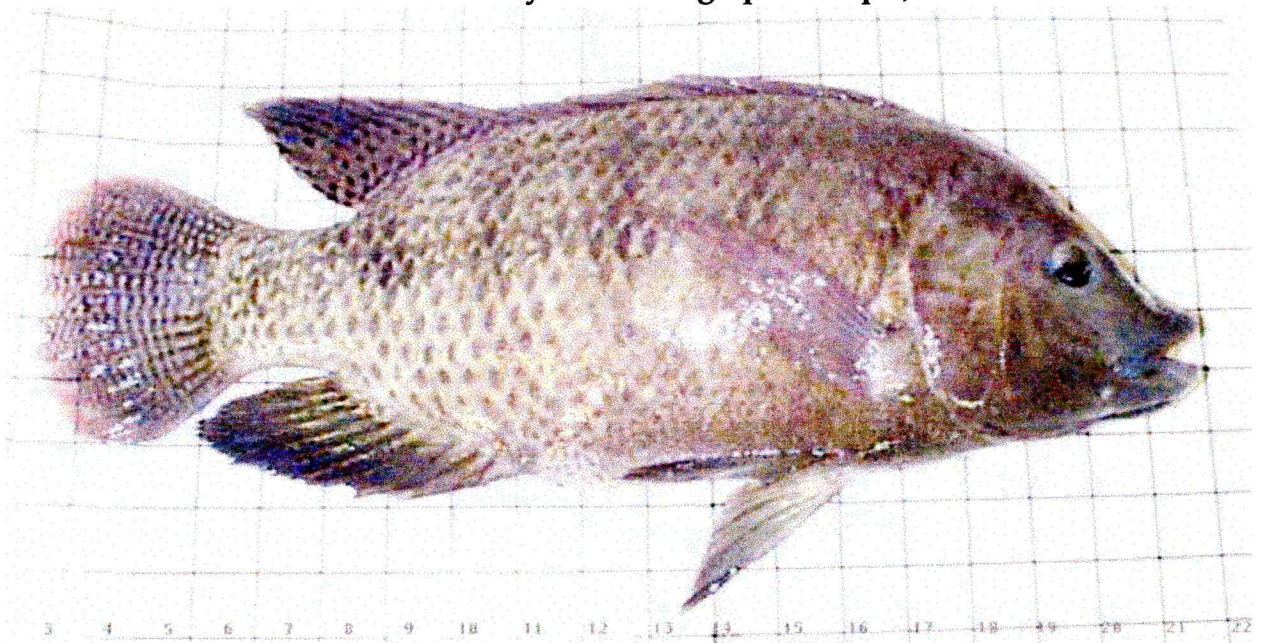
In the following photographs are five Chocolate Hybrids which have been grown for an additional 5 months and which weigh between 5 pounds and 5.5 pounds.



**First Chocolate Hybrid Photographed Sep 3, 1999**

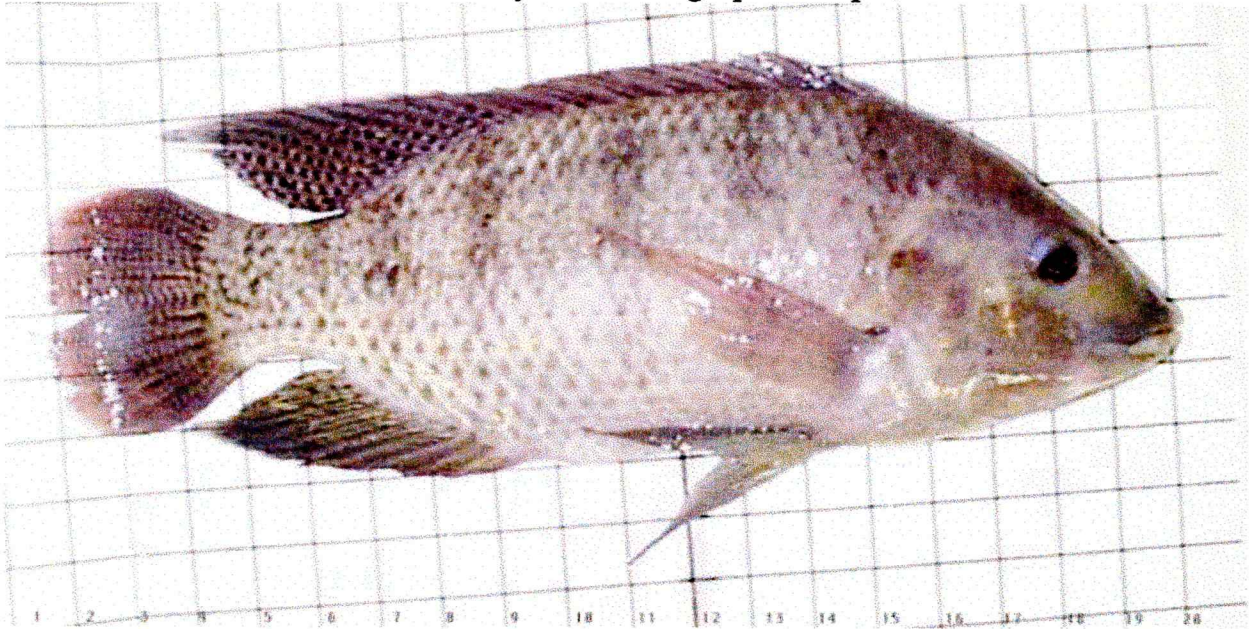


**Second Chocolate Hybrid Photographed Sep 3, 1999**



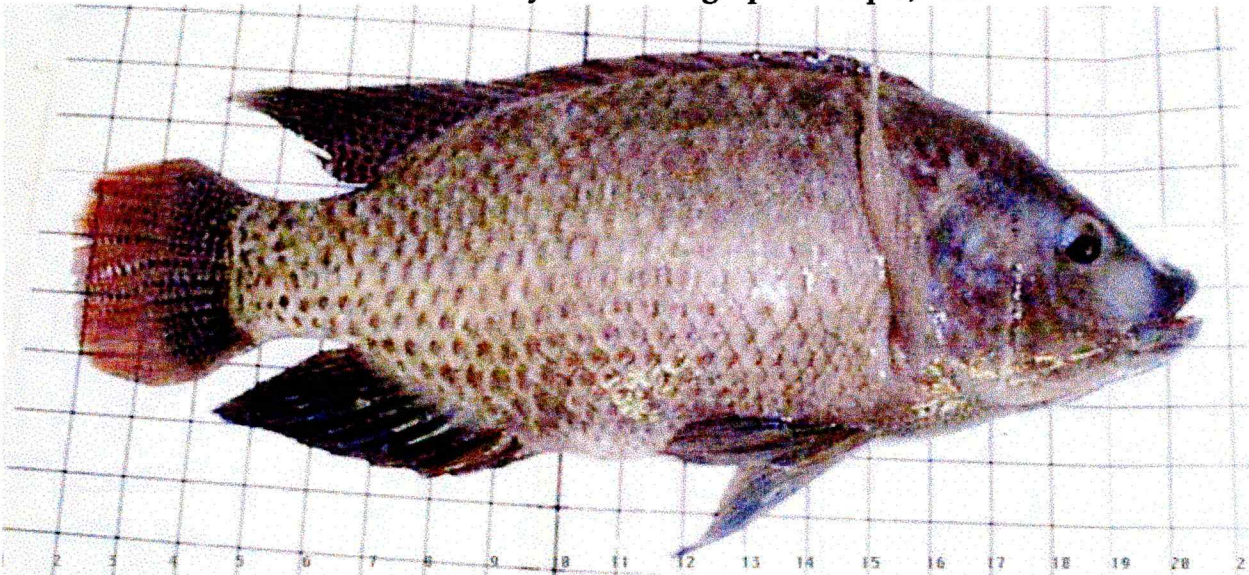


**Third Chocolate Hybrid Photographed Sep 3, 1999**



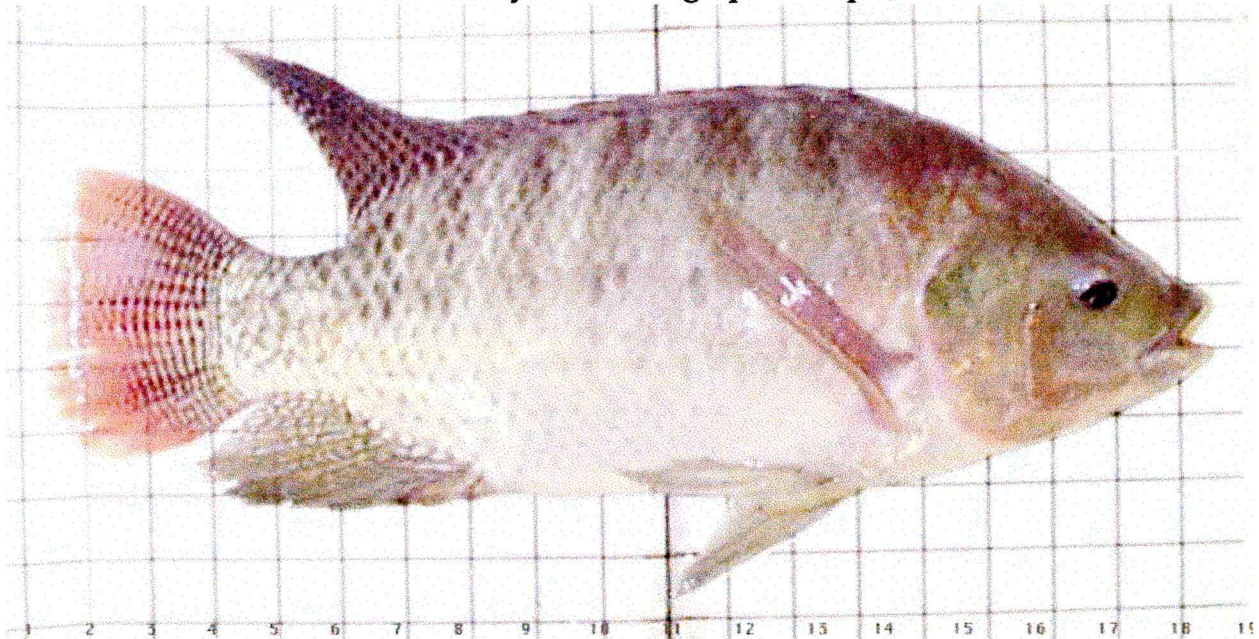
**If you look closely at the Grid shown surrounding the Chocolate Hybrids in the photographs taken six months ago and at the ones taken today March 3, 1999 on which the Hybrids are laying you will see that the size has gone from approximately 16 inches to approximately 19.5 inches on each of the five Chocolate Hybrids.**

**Fourth Chocolate Hybrid Photographed Sep 3, 1999**





### Fifth Chocolate Hybrid Photographed Sep 3, 1999



The Chocolate hybrids shown here grown up to approximately the 3 pound size by a Florida breeder and were brought to my farm in February of 1999.

I placed them on exhibit in some small outside tanks, where they were kept basically without feeding until until around April 15th of 1999 when I moved them into the Demonstration High Density growing tank which is a 25 foot version of the 100 ton intensive production tank that we sell.

I finished the Demonstration tank shortly before that and put them in the tank so they would be less trouble to protect.

The time spent in the tank clocks out at about four and a half months that the Chocolate Hybrids were given good or moderately good growing conditions and were fed at least 3 or 4 times a week. They were able under these conditions to reach a weight of 2,300 to 2,500 grams. That is the weight of the fish, today September 3rd, 1999.

In the group of photographs I placed each Chocolate Hybrid\* in the center of a grid that was one inch by one inch and was 24 inches by 16 inches.

The size of each of the Chocolate hybrids\* is now approximately 19-19 and a half inches long and about seven to seven and a half inches deep, and the Chocolate hybrids weigh in at approximately five to five and a half pounds or 2,100-2,500 grams.

While this group of Chocolate Hybrids\* does not represent a true controlled study but it does give good reason to pursue the development of these Chocolate Hybrids\*. No other hybrids or other fingerlings presently available comes even close to these production numbers.

**I am able to supply breeders to produce 8 new Hybrid Strains of these Chocolate varieties, they include a whole group of new hybrids which I am calling the**

**Chocolate Hybrid group** and each f-1 hybrid has different color, body form, and other characteristics depending on which female is used in the production of the cross.

**Trademark names**

we are giving to these new f-1 hybrids are:

**Orange Chocolate\*** @T. nilotica (red) male X female t. mossambica orange

**Red Chocolate\*** @.....T. nilotica (red) male X female Red Red t. mossambica

**Happy Chocolate\*** @. nilotica (red) male X female t. mossambica Red Butterball

**Dark Chocolate\***@T. nilotica (red) male X fem t. mossambica normal color

**Royal Chocolate\***@.....T. nilotica (red) male X female t. hornorum

**White Chocolate\***@ nilotica (red) male X femaleT. aurea (white strain)

**Pink Chocolate\*** @.....T. nilotica (red) male X T. aurea (red strain)

**Blue Chocolate\*** ....T. nilotica (red) male X T. aurea normal strain (blue)

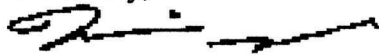
I currently have some small quantities of hybrids in production of the ones noted with the @ mark

**The characteristics that I predict for these new hybrids are:**

1. All will grow 2 to 3 times faster than normal tilapia fry (including the females that do show up) and most will produce 800 gram marketable fish by the fourth month from a 2 inch fingerling.
2. All of the mossambica and hornorum hybrids will have a high tolerance for Salt (probably above 20 ppt.)
3. All will have a high tolerance for low temperature.
4. All will hopefully produce good numbers of Hybrids easily.
5. The Red Chocolates and Happy Chocolates and the Pink Chocolates\* will have red f-1 hybrid offspring.
6. The White Chocolate hybrids\* will result in the production of mostly white Hybrids.

**For more information or to purchase breeders or fingerlings, call me.**

Sincerely,



**Mike Sipe**