



Coastal & Marine Resource Newsletter

Texas AgriLife Extension Service
becomes Texas A & M AgriLife Extension Service!!



The agencies of the Texas A&M University System formally add “A&M” into their names. This effort, approved by the Texas A&M System Board of Regents, aligns the names of System entities across Texas. This unified branding allows us to capitalize on our close ties to the College of Agriculture and Life Sciences at Texas A&M University as well as the strong land-grant tradition. The name change does not affect our reporting relationships or lines of authority. The new name allows us to highlight our close ties with the college and university, and demonstrate our collaborations and cooperative efforts throughout the state as part of the Texas A&M System. As we move forward, we want to maximize the benefits of the Texas A&M name. We will create stronger brands for the future, and as always, continue to serve the people of Texas, our nation and our world.



What is Sea Grant?

The Texas Sea Grant College Program is a unique partnership that unites the resources of the federal government, the State of Texas and universities across the state to create knowledge, tools, products and services that benefit the economy, the environment and the citizens of Texas. **Texas Sea Grant’s mission is to improve the understanding, wise use and stewardship of Texas coastal and marine resources.** The Program supports marine-related research at universities across the state through a competitive grant program. It also has a cadre of extension agents and specialists who work in communities to engage and support residents and visitors, conduct informal science and technology education programs for youth and adults, and produce educational materials for the public. In addition to its state-wide grant program Texas Sea Grant supports regional research in collaboration with the other Gulf state Sea Grant programs.

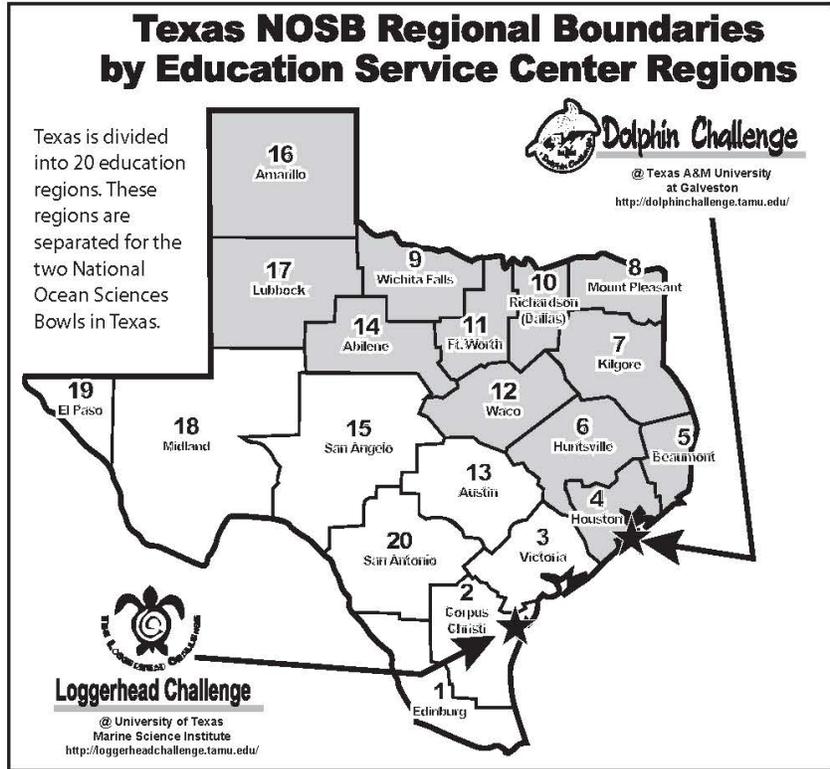


National Ocean Sciences Bowl



AT TEXAS A&M UNIVERSITY

The National Ocean Sciences Bowl (NOSB®) is a rigorous high school academic competition requiring students to answer questions about biology, chemistry, physics, geology, geography and the social sciences. It is intended to increase knowledge of the oceans on the part of high school students, their teachers and parents, and to raise the visibility and public understanding of the national investment in ocean-related research. Each year more than 2,000 students from 300 schools compete in NOSB's 25 regional competitions. NOSB is managed nationally by the Consortium for Ocean Leadership, a nonprofit organization representing 94 of the leading public and private ocean research and education institutions, aquaria and industry with the mission to advance research, education and sound ocean policy.



The Dolphin Challenge™ and the Loggerhead Challenge™

Texas Sea Grant hosts Texas' two NOSB® regional competitions. The Dolphin Challenge, held in Galveston on Saturday, February 23, 2013, is open to students in the northern and eastern parts of the state. The Loggerhead Challenge will be held in Port Aransas on Saturday, February 9, 2013, and is open to teams from the southern and western portions of Texas. See the map above to determine your regional competition.

Teams must register online by December 7, 2012. Register online for your region by going to either www.dolphinchallenge.tamu.edu/coaches.html or <http://loggerheadchallenge.tamu.edu/coaches.html>. The winning team will advance to the two-day national competition held April 18-21, 2013, in Milwaukee, Wisconsin.

The Texas Regional Coordinator for NOSB® is Terrie Looney. For questions about the competition, contact her by e-mail at tslooney@ag.tamu.edu or by phone at 409-835-8461.



Loggerhead Challenge

@ University of Texas
Marine Science Institute
<http://loggerheadchallenge.tamu.edu/>



Dolphin Challenge

@ Texas A&M University
at Galveston
<http://dolphinschallenge.tamu.edu/>

Baked Fish and Vegetables



Yield	4 servings
Cooking time	40 minutes
Total time	40 minutes

Ingredients

4	white fish fillets (frozen, or cod or perch total of 16-20 oz)
16 ounces	mixed vegetables (frozen)
1	onion (small, diced)
1 teaspoon	lemon juice (or fresh lemon, sliced thin)
1 tablespoon	parsley flakes (dried or fresh chopped)
4	aluminum foil (10×12 inches square)

Instructions

1. Preheat oven to 450 degrees.
2. Separate and place fish fillets in center of each tin foil square.
3. Combine frozen vegetables and diced onion in bowl and mix. Spoon vegetables around fillets.
4. Sprinkle with lemon juice (or top with lemon slice) and add parsley on top. Fold ends of tin foil together to form leak-proof seal.
5. Bake for 10 minutes. Serve.

Cost

Per recipe: \$6.32
Per serving: \$1.58

Source

University of Minnesota, Cooperative Extension Service, Simply Good Eating Recipe Cards, Vol. 1, 2000

Notes

Refrigerate leftovers.

WATER CONSERVING TIPS

Using water more efficiently will not only save money but, more importantly, will also help protect the quality of life of future Texans. With the vastness of Texas, it's easy to forget two important facts about our state: we are subject to frequent droughts, and our population is projected to double in the next 50 years. The cost of developing new or additional supplies in that same time period is estimated to be \$30.7 billion. To ensure that we have enough cost-effective water for current and future Texans, we need to reduce the amount of water we waste.



POSSIBLE WATER SAVINGS

- High-efficiency toilets, water-efficient washing machines, rainwater harvesting systems, and water-efficient landscaping can all help reduce water use.
- Water-efficient showerheads and aerators for faucets can significantly reduce the amount of water you use. In fact, installing a water-efficient showerhead is one of the most effective water-saving steps you can take inside your house.
- Leaky faucets and toilets can waste thousands of gallons of water monthly, and they are inexpensive to fix. A few small changes in your water use habits can make a huge difference in water savings.
- In the summer, outdoor water use can account for 50 percent or more of total water use. With proper management, you can have a beautiful, healthy landscape and reduce your water use significantly. This can amount to hundreds of dollars in savings a year in water and often wastewater costs.



HOMEOWNERS WHAT YOU NEED TO KNOW ABOUT THE TEXAS PESTICIDE GENERAL PERMIT TXG870000

Source: Texas Commission on Environmental Quality

The Texas Pollutant Discharge Elimination System (TPDES) is a regulatory program to control discharges of pollutants to surface waters. Texas received and assumed permitting authority under the National Pollutant Discharge Elimination System (NPDES) from the EPA on September 14, 1998.

In January, 2009, the US Sixth Circuit Court of Appeals held that Clean Water Act permits are required for all biological pesticide or chemical pesticide applications that leave a residue in water when such applications are made into or over, including near waters of the U.S.

The Texas Commission on Environmental Quality (TCEQ) is the regulatory agency responsible for enforcing the Clean Water Act (CWA) in Texas. They work cooperatively with the Texas Department of Agriculture to ensure pesticides are used and disposed of according to label directions.

The Texas AgriLife Extension Service has a educational mission. The Pesticide Safety Education program develops pesticide safety and regulatory compliance and assistance information for pesticide users from all sectors (Agricultural, Structural, Public Health, and Homeowners).

Under the TPDES permit, the operator must file the appropriate documents and implement all the compliance requirements.

Homeowners in Texas who apply “over the counter” pesticides for use around the dwelling are covered under the Texas permit if they do not violate any conditions specified on the product label.

Contact TCEQ at 512-239-4671

Questions can also be emailed to: PGP@TCEQ.TEXAS.GOV

Further information about the pesticides general permit
can be obtained from the following web address:

<http://www.tceq.texas.gov/permitting/wastewater/general/pestgpair>

<http://www/tceq.texas.gov>

Contact Texas AgriLife Extension at 409-845-3849

Or email question to:

dking@ag.tamu.edu

[Www-aes.tamu.edu](http://www-aes.tamu.edu)



Science and the Sea™ is a production of The University of Texas Marine Science Institute on the Gulf of Mexico in Port Aransas, Texas.

The sea affects our lives in many ways - we relax by its shores and play on its surface, eat of its bounty and enjoy its beauty, it moderates our climate and fuels powerful storms, and it supports an amazingly rich and diverse ecosystem. Researchers know a great deal about how marine life survives and even thrives in the sea, how the sea is critical to human life on the land, and how man affects the vast ocean.

The goal of *Science and the Sea™* is to convey this understanding of the sea and its myriad life forms to everyone, so that they, too, can fully appreciate this amazing resource. We do this through magazine articles, a radio program, and activities on our website. In all of these, we provide entertaining stories and activities that teach about the marine world and even convey how scientists approach, and ultimately solve, some of the oceans' mysteries.

The University of Texas Marine Science Institute began conducting research in 1946 and is the oldest marine laboratory in Texas. Some of the world's premiere marine scientists are based here and their research spans the globe: from the north slope of Alaska to the hydrothermal vents of the South Pacific; from the mangrove forests of Belize to the sea ice of Antarctica; and from the coastal bays and hyper saline lagoons of Texas to the coral reefs of Hawaii. Our graduate program trains future marine scientists through its master's and doctoral degree programs.

The Marine Science Institute is also home to Marine Education Services, a leader in marine education for school children, teachers, visiting college classes, and senior groups. Marine Education Services promotes interest in marine science through educational programs designed especially for teachers, students, and the general public.

A man was stopped by a game-warden in Northern Algonquin Park recently with two buckets of fish leaving a lake well known for its fishing.

The game warden asked the man, "Do you have a license to catch those fish?" The man replied to the game warden, "No, sir. These are my pet fish." "Pet fish?!" the warden replied.

"Yes, sir. Every night I take these here fish down to the lake and let them swim around for a while. I whistle and they jump back into their buckets, and I take 'em home."

"That's a bunch of hooley! Fish can't do that!" The man looked at the game warden for a moment, and then said, "Here, I'll show you. It really works." "O.K. I've GOT to see this!" The game warden was curious.

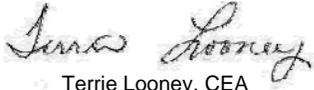
The man poured the fish in to the river and stood and waited. After several minutes, the game warden turned to the man and said,

"Well?" "Well, what?" the man responded. "When are you going to call them back?" the game warden prompted. "Call who back?" the man asked. "The FISH"

"What fish?" the man asked.



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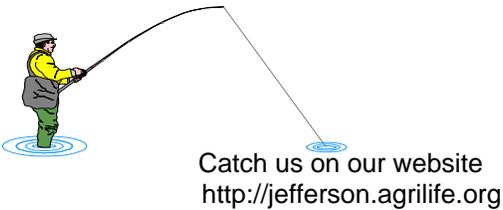


Terrie Looney, CEA

Coastal & Marine Resource Agent
Jefferson/Chambers Counties
1225 Pearl Street, Suite 200

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ADDRESS SERVICE REQUESTED



Programs conducted by the Texas AgriLife Extension Service serves people of all ages regardless of socioeconomic level, race, color, sex, religion, disability or national origin. The Texas A & M University System, U.S. Department of Agriculture and the County Commissioners' Court of Texas Cooperating.