THE NEW GENERATION OF AGRICULTURE.

Pure, naturally grown food wherever, whenever you need it.

WHO WE ARE:

Integrated Agriculture Systems (INTAG) provides commercial solutions for food production, wastewater remediation, and STEM/STEAM education. INTAG's patented processes and proprietary aquaponics technology replicate processes found in nature to convert waste into ultra-high quality and low-cost plant fertilizer, providing the ability to clean and purify water while at the same time achieving optimal plant growth without the use of pesticides or synthetic chemicals. Scientifically proven for more than a decade, our naturally simple solutions deliver industry-leading produce with superior taste and nutrient content. INTAG systems are used by commercial food producers, small batch growers, restaurants, farmers, and others, and by schools to teach STEM/STEAM education and 21st century workforce development.

INTAG SOLUTIONS

AGRICULTURE & FOOD PRODUCTION

Locally grown, pure, natural food source with a lower operating cost • Closed loop systems recycle all water, require no drainage, and waste no nutrients • Grow food anywhere in the world using 95% less water than traditional farming • 30 types of fruits and vegetables • All natural process - no pesticides, synthetics or genetic modification • 60% faster growth • 20x crop yield • Lab tested superior taste and higher nutrient content • Food security for food deserts • Food safety with lower risk of foodborne illnesses

WASTE REMEDIATION & WATER QUALITY

Low cost, low maintenance and environmentally friendly bio-filtration for all-natural solutions to water quality and preventing run-off pollution. INTAG's patented systems and processes provide a approach to engineered wetlands environments in both indoor and outdoor settings. Flexible systems pull environmentally harmful excess nutrients and other contaminants, purifying water before it enters the watershed.

EDUCATION & WORKFORCE DEVELOPMENT

Living laboratories for full spectrum STEM education, environmental science, project based learning and 21st century job skills development. Hands-on learning and curriculum for pre-K through graduate/research level education • Award-winning training models • Unique digital content • Skill areas: agriculture, biology, chemistry, engineering, business operations, marketing, logistics • Portable public-private partnership models • Helping to grow a new generation of skilled workers: USDA cites a 50% shortfall in skilled labor (22,500) jobs to meet agricultural needs.

INTAG
Integrated Agriculture Systems

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FAST FACTS:

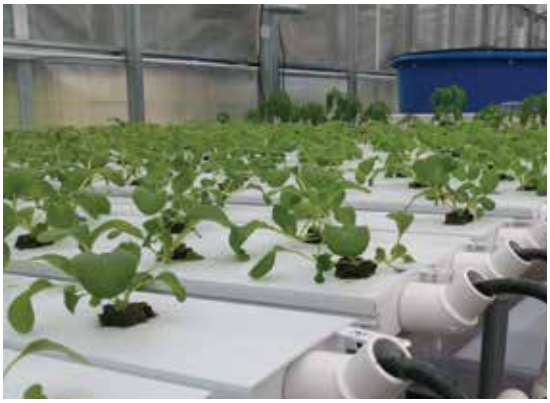
• 40 aquaponic sites built and supported by INTAG in the US and in development internationally • INTAG systems in 50 schools in PA & MD • System provider for the largest rural food network in the Appalachian region • Installed at the largest US public school Ag campus (Walter B. Saul High School in Philadelphia) • US Top 50 Catering Company uses INTAG systems to provide 'in house' production and vertical integration of food supply • Collaborating with PA State agencies to pilot new methods for water clean up in the Chesapeake Bay Watershed

HOW IT WORKS:

INTAG systems combine conventional aquaculture (raising fish and other aquatic life in tanks) and hydroponics (producing plants in water rather than soil) into a symbiotic system – accelerated by proprietary aerobic digestion processes and bioreactor technology. Our proprietary systems use diversified biology to effectively break down and re-purpose nutrients from other agricultural waste streams, including fish, to make those nutrients available to plants as ultra-high quality and low-cost liquid fertilizer.

In a snapshot:

Simply put, there's great harmony and benefit in natural systems. INTAG systems take agricultural waste (like fish poop) and make it high quality plant food. The plants use the food, filter the water, pull out the excess nutrients (waste), and then return clean water to the fish tank. This highly efficient, closed loop process creates beautiful, high quality, nutrient-dense crops and really happy, healthy fish.



INTAG ADVANTAGE:

• Produce quality - exceptional taste confirmed by third party lab testing
• Superior nutritional value confirmed by third-party lab testing
• Patented process developed over 7 years
• Low cost and low maintenance, simplifying labor and ease of training
• Diverse and layered biology improves performance and differentiates from existing alternatives

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MEDIA CONTACT

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