

PUBLIC AFFAIRS REPORT
for
KFPX-TV
DES MOINES, IA
for
FIRST QUARTER ENDING: MARCH 31, 2017

In accordance with Section 73.3526(e)(11)(i) of the Federal Communications Commission's rules, the following, in the opinion of KFPX-TV, are the problems and needs of the community for the period noted above. They are not necessarily listed in order of importance. Each is identified by significant public affairs and/or public service programming in response to these needs.

Issues:

1. Agriculture
2. Economics
3. Organic, healthy, local and culturally diverse cooking
4. Farm Equipment
5. Herbicides
6. Education/Ag PhD Clinics and Apps
7. Seed Traits and treatments
8. Using Satellite Imagery for Management Decisions, contours and mapping fields
9. Grain handling care
10. Soil Management

A detailed summary of each program's content, including guests, affiliations and date of broadcast is included in this report.

"Ag PhD" is a one-half hour community affairs program that airs two shows, back to back, every Thursday morning at 5:00am. "Ag PhD covers current agricultural topics in the State of Iowa and the Midwest.

"Living Well" is a one hour community affairs program that airs every Tuesday at 5:00am.

"Living Well" is dedicated to active lifestyles, wellness & helpful information that leads to a more empowered life. The featured shows in "Living Well" are "Fresh With Anna Olson" and "Loving Spoonfuls."

KFPX-TV DES MOINES, IOWA
PUBLIC AFFAIRS REPORT
FIRST QUARTER, 2017

Program: Living Well Episode #419
Air Date: Tuesday, January 3, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Cathy Palumbo, Susan Palumbo

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

Anna's relatives are coming over and she's preparing a harvest supper. She begins with a unique dish of Salmon with Horseradish Panko Crust served with a lemon dill butter sauce. Next, Anna prepares her Dandelion Greens Salad with pancetta and apple cider. She finishes the meal with a Pumpkin Crème Brulee for dessert. All these seasonal ingredients combine to make the perfect fall feast for the Olsen family.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

Cathy Palumbo is a spicy Sicilian who tells it like it is while making Veal Parmigiana and mouthwatering Italian bread.

Program: Ag PhD Episode #976
Air Date: Thursday, January 5, 2017 5:00am
Topic/Title: Ag PhD Soybean Diseases App, Calculating ROI, Nixacor, Piaxor D, TrivaPro
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The Ag PhD Soybean Diseases App helps farmers identify disease and recommends treatment in the field. Calculating return on investment should be kept simple. For example, if gain is \$15 and cost is \$5, then net gain is \$10. Then take gain of \$10 divide by 5 which equals 2. Multiple 2 by 100 to equal 200% return on investment. Annual percent of return if investment was only for six months, then 2 multiplied by 200% equals 400% return on investment. Or divide 15 by 5 for a 3 to 1 ratio of return on investment. This is a no brainer for most farmers. Also, pay per hour should be considered. Farmers should do the \$100 per hour jobs themselves and pay someone to do the \$5 per hour jobs.

3 Mode of Action Fungicides are becoming the trend because resistance is beginning to show using Headline, Quadris and Evito. A blend is now recommended of fungicides. For example, Trivapro has Quattris and Nexicor and Piaxor D have Headline.

Weed of the Week is Heath Aster. It is a simple perennial weed. It reproduces by seed not rhizomes. Mow weekly so weed does not go to seed. For burndown use 2-4-D and Dicamba or Tordon in non-tree area. Late Fall or early Spring is the best time to spray. For in field, use Roundup.

Program: Ag PhD Episode #977
Air Date: Thursday, January 5, 2017 5:30am
Topic/Title: Chopping Corn Heads, Soybean Pre-Emerge Herbicides, Cash Accounting,
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

For no till fields, letting residue stand tall would cause corn stocks to tip over and be difficult to cut in Spring. With Chopping Corn Heads, one pass in the field and farmers have great residue management for no till, strip till and conventional till methods. Conventional till flows through the chopping corn head or the machine can leave stocks a little taller for strip tillage or residue is cut so that it breaks down and soil warms up faster for no till. Residue chopped in little pieces decay and release nutrients back into field. Invest in folding chopping corn heads. It will save time, money and effort to keep from having to uninstall and re-install heads from one field to the next.

Soybean pre-emerge herbicides must be used in multiple modes for best weed control and to get most yield. Site of action for weeds must have two if not three modes of action to get 98 to 99 percent control. Use the Three Pre Program which consists of Yellow which is Treflan, Sonalan and Prowl. Second is Metribuzin which rate used should be based on pH of soil. Third is PPO which includes Authority and Valor for excellent residual on broadleaf. No till and till options are available. Specifically, Treflan must be tilled in and Prowl is no till only.

Cash Accounting allows farmers to pre-pay expenses for next year so they can put the expenses in current tax year. Pushing taxes off stimulates current economy. By gifting grain as a deduction to church or non-profit charity the tax does not have to be paid. The entity who sales it will pay taxes.

Weed of the Week is Common Mullein. It is a biennial found in pastures and non-crop areas. 2-4-D and Diacamba works well on it. The best time to deal with it is the first year (rosette stage) before it goes to seed in the second year and spreads.

Program: Living Well Episode #420
Air Date: Tuesday, January 10, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Wayne Philbrick, Theresa and John Ross Mcfarlane, Mahassin Bukhari

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

Anna's throwing together a spontaneous dinner party with French flare. With little notice she prepares an entrée of Turkey Escalope with Citrus Haricots Vert and Crème Fraiche Mashed potatoes. After a trip to the Upper Canada Cheese Co, she serves a Frisee Salad with warm camembert, followed by a Plum Clafoutis for dessert. Even though she's short on time, Anna is able to pull off a French bistro style meal that is definitely not short on taste!

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

The wife of a former Sudanese diplomat, Mahassin Bukhari teaches us about international diplomacy, Islam and serves the finest coffee on earth.

Program: Ag PhD Episode #977
Air Date: Thursday, January 12, 2017 5:00am
Topic/Title: Chopping Corn Heads, Soybean Pre-Emerge Herbicides, Cash Accounting
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

For no till fields, letting residue stand tall would cause corn stocks to tip over and be difficult to cut in Spring. With Chopping Corn Heads, one pass in the field and farmers have great residue management for no till, strip till and conventional till methods. Conventional till flows through the chopping corn head or the machine can leave stocks a little taller for strip tillage or residue is cut so that it breaks down and soil warms up faster for no till. Residue chopped in little pieces decay and release nutrients back into field. Invest in folding chopping corn heads. It will save time, money and effort to keep from having to uninstall and re-install heads from one field to the next.

Soybean pre-emerge herbicides must be used in multiple modes for best weed control and to get most yield. Site of action for weeds must have two if not three modes of action to get 98 to 99 percent control. Use the Three Pre Program which consists of Yellow which is Treflan, Sonalan and Prowl. Second is Metribuzin which rate used should be based on pH of soil. Third is PPO which includes Authority and Valor for excellent residual on broadleaf. No till and till options are available. Specifically, Treflan must be tilled in and Prowl is no till only.

Cash Accounting allows farmers to pre-pay expenses for next year so they can put the expenses in current tax year. Pushing taxes off stimulates current economy. By gifting grain as a deduction to church or non-profit charity the tax does not have to be paid. The entity who sales it will pay taxes.

Weed of the Week is Common Mullein. It is a biennial found in pastures and non-crop areas. 2-4-D and Diacamba works well on it. The best time to deal with it is the first year (rosette stage) before it goes to seed in the second year and spreads.

Program: Ag PhD Episode #978
Air Date: Thursday, January 12, 2017 5:30am
Topic/Title: Soil Bacteria, Fungicide, Earthworms, Corn Pre-Emerge Herbicides, 2016 Year in Review
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Soil life is not just plants but consists of billions of organisms in just a handful of soil. Earthworms take residue and pull it down into soil. The channels they make are good for roots and water. Earthworm castings also fertilize the soil. Fungi gets phosphorus into roots. Mycorrhiza fungi will take nutrients that aren't available to plant and turn it into a form that plant can use and send it thru the roots. Drainage and plant diversification add to soil life. There used to be only two corn pre-emerge herbicides. Now, there's a lot along with pre-mixes. Things to consider when deciding what herbicides to use are if the concern is with killing grass rather than broad leaves or if it is important to kill everything or to set up to for a good post-program. Choose whatever herbicide process that is going to give the most yield. Best recommendation is to do pre-emerge with good grass control and a mix for broadleaf control. Use a different mode of action for post-emerge so that resistance doesn't build up.

The 2016 yearend review was not very conclusive regarding seed treatments, sudden death, nematodes because there was good weather this year and not much stress on fields. Weed control recommendations are to use multiple modes of action and kill weeds in ditches and along fence lines to reduce stress on fields. There were not a lot of insects in 2016. Make sure to spray fungicides. Disease popped up in corn this year. For fertilizer it is important to soil test and do plant analysis. Tiling really paid off in 2016 with the big rains.

Weed of the Week is Shattercane. It is a summer annual weed so it comes up late. Spray when it is small 2-4 inches. For soybeans pre-emerge use Trifluralin, Sonalan, Prowl and for post-emerge use Roundup or Liberty. For wheat, use Pre-pare pre-emerge and Axial post-emerge. For corn, use pre-emerge Duall, Harness, Surpass or Outlook and for post-emerge use Roundup or Liberty.

Program: Living Well Episode #421
Air Date: Tuesday, January 17, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Kent Kraemer-Niagra's Best Brewery
Yvonne Kennedy-Grandmother
John F. Kennedy-Yvonne's Husband
Giselle-Family friend

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own. In this episode Anna cooks family comfort foods to enjoy after a busy week at work. She makes Pot Roast with Fluffy Dumplings, Mae's Broccoli Cheddar Salad and Apple Cranberry Crisp. Anna also visits a local brewery.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life. In this episode David visits the home of Belgian Grandmother Yvonne Kennedy, whose husband also happens to be named John F. Kennedy. They discuss Yvonne's life in Antwerp during WWII and make Rabbit, Endive Rolled in Ham and Cooked Red Cabbage with Apples and Onions.

Program: Ag PhD Episode #978
Air Date: Thursday, January 19, 2017 5:00am
Topic/Title: Soil Bacteria, Fungicide, Earthworms, Corn Pre-Emerge Herbicides, 2016 Year in Review
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Soil life is not just plants but consists of billions of organisms in just a handful of soil. Earthworms take residue and pull it down into soil. The channels they make are good for roots and water. Earthworm castings also fertilize the soil. Fungi gets phosphorus into roots. Mycorrhiza fungi will take nutrients that aren't available to plant and turn it into a form that plant can use and send it thru the roots. Drainage and plant diversification add to soil life. There used to be only two corn pre-emerge herbicides. Now, there's a lot along with pre-mixes. Things to consider when deciding what herbicides to use are if the concern is with killing grass rather than broad leaves or if it is important to kill everything or to set up to for a good post-program. Choose whatever herbicide process that is going to give the most yield. Best recommendation is to do pre-emerge with good grass control and a mix for broadleaf control. Use a different mode of action for post-emerge so that resistance doesn't build up. The 2016 yearend review was not very conclusive regarding seed treatments, sudden death, nematodes because there was good weather this year and not much stress on fields. Weed control recommendations are to use multiple modes of action and kill weeds in ditches and along fence lines to reduce stress on fields. There were not a lot of insects in 2016. Make sure to spray fungicides. Disease popped up in corn this year. For fertilizer it is important to soil test and do plant analysis. Tiling really paid off in 2016 with the big rains. Weed of the Week is Shattercane. It is a summer annual weed so it comes up late. Spray when it is small 2-4 inches. For soybeans pre-emerge use Trifluralin, Sonalan, Prowl and for post-emerge use Roundup or Liberty. For wheat, use Pre-pare pre-emerge and Axial post-emerge. For corn, use pre-emerge Duall, Harness, Surpass or Outlook and for post-emerge use Roundup or Liberty.

Program: Ag PhD Episode #979
Air Date: Thursday, January 19, 2017 5:30am
Topic/Title: Seed Traits, Wheat Pre-Emerge Herbicides, Xanthomonas
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Seed traits are often referred to as GMOs or biotechnology traits. The first was a corn seed trait to treat European Corn Borer. In the early days, pesticides had to be used. Some of which are banned today. Now it is a protein. Dipel is the pesticide that organic farmers use and it has the same protein as the seed trait. There is no difference between what is sprayed on the plant verses the trait that is inside seed. The seed trait also increases crop production and feeds more people around the globe. Third world countries that don't have the farm equipment or products to control insects can use seed traits. Wheat pre-emerge herbicides are important for early weed control to grow a perfect stand and generate highest yield. Broad leaf is controlled by Sharpen. It has good residual and burndown. Pre-pare is good for broad leaf and grass control. It has better grass control than broad leaf, but it is cheaper than Sharpen. It is more active in high pH soil. Olympus, Outrider and Powerflex are for post-emerge. Zidua is for corn, soybeans and wheat. Bacterial Leaf Streak in corn is a new bacterial disease cause by *Xanthomonas vasicola* pv. *vasculorum*. Fungicides are not effective on it, but fungicides should still be used. They still help with overall health and fight off disease. If seeing something take a sample and send it to the lab for testing. It is not known yet how to fight the bacterial leaf streak. In the meantime, tillage, good fertility, weed control, crop rotation, disease control, insect control will help plants tolerate the stress of bacterial leaf streak. Weed of the Week is Yellow Foxtail. It is a yield robber. For corn pre-emerge use Harness, Surpass, Outlook, Duall. Soybeans pre-emerge use Treflon, Sonalan, Prowl. For post-emerge in corn and soybeans use Roundup or Liberty. For wheat pre-emerge use Pre-pare and post-emerge Axial.

Program: Living Well Episode #422
Air Date: Tuesday, January 24, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Bob Patterson-Herbs By Daniel
Sophie Tzoitis-Grandmother

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own. In this episode Anna cooks a romantic dinner for two. She makes Tomato Basil Tart with Tender Green Salad, Seafood In Parchment Parcels and Crème Brulee Cheesecakes. She visits a greenhouse that specializes in fresh herbs.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life. In this episode David visits the home of Greek Grandmother Sophie Tzoitis. They make Moussaka, Egg-Lemon (Chicken) Soup, and Greek Salad. They also discuss Sophie's life in Greece as a Jewish kid during WWII.

Program: Ag PhD Episode #979
Air Date: Thursday, January 26, 2017 5:00am
Topic/Title: Seed Traits, Wheat Pre-Emerge Herbicides, Xanthomonas,
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Seed traits are often referred to as GMOs or biotechnology traits. The first was a corn seed trait to treat European Corn Borer. In the early days, pesticides had to be used. Some of which are banned today. Now it is a protein. Dipel is the pesticide that organic farmers use and it has the same protein as the seed trait. There is no difference between what is sprayed on the plant versus the trait that is inside seed. The seed trait also increases crop production and feeds more people around the globe. Third world countries that don't have the farm equipment or products to control insects can use seed traits.

Wheat pre-emerge herbicides are important for early weed control to grow a perfect stand and generate highest yield. Broad leaf is controlled by Sharpen. It has good residual and burndown. Pre-pare is good for broad leaf and grass control. It has better grass control than broad leaf, but it is cheaper than Sharpen. It is more active in high pH soil. Olympus, Outrider and Powerflex are for post-emerge. Zidua is for corn, soybeans and wheat.

Bacterial Leaf Streak in corn is a new bacterial disease cause by *Xanthomonas vasicola* pv. *vasculorum*. Fungicides are not effective on it, but fungicides should still be used. They still help with overall health and fight off disease. If seeing something take a sample and send it to the lab for testing. It is not known yet how to fight the bacterial leaf streak. In the meantime, tillage, good fertility, weed control, crop rotation, disease control, insect control will help plants tolerate the stress of bacterial leaf streak.

Weed of the Week is Yellow Foxtail. It is a yield robber. For corn pre-emerge use Harness, Surpass, Outlook, Duall. Soybeans pre-emerge use Treflon, Sonalan, Prowl. For post-emerge in corn and soybeans use Roundup or Liberty. For wheat pre-emerge use Pre-pare and post-emerge Axial.

Program: Ag PhD Episode #980
Air Date: Thursday, January 26, 2017 5:30am
Topic/Title: Ag PhD Soils Clinics, Soybean Post-Emerge Herbicides, Dicamba Product Differences
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The Ag PhD Soil Clinics demonstrates soil tests, soil app, and website. The clinics show farmers how to make their own fertilizer decisions for rate and application in their fields. Millions of dollars are spent on fertilizer. Therefore, making decisions for the farm should not be left solely to a fertilizer dealer.

Soybean Post-Emerge Herbicides are needed due to Roundup resistant weeds. Roundup as a pre-emerge now needs options post-emerge. Roundup needs to be followed with a different mode of action. Small droplets is best control. The post-emerge options are contact killers but need to be used on small weeds of two to four inches. Cobra is expensive, but good for palmer pigweed, ragweed, water hemp and kosha. Harass is good for lambsquarters. For velvetleaf and pigsweed, Cadet and Resource are good. Flexstar is cheap and great for palmer pigweed, waterhemp and ragweed, but has carryover. First Rate is good for ragweed only. Broad spectrum post-emerge herbicides are Pursuit and Raptor. They have some activity on grass and broadleaf but need a mix for ragweed. For residual only, Zidua, Warrant, Outlook and Duall are good.

Not all Dicamba products are the same. Physical drift and volatility are a concern. Curling leaves is fine, but shortening of the plant causes yield loss. Choose weather conditions of no wind, no fog, nor temperature inversions. Diflexx and Status have corn safeners. Finally, Ammonia Sulfate is not recommended to be mixed with Dicamba products.

Weed of the Week is Hemp Sesbania. It is an annual weed. It is a host for soybean cyst nematode and soybean rust. Verdict, Status or Valor should be used pre-emerge. RoundUp or Liberty post-emerge. For wheat, use Sharpen pre-emerge, followed by Huskie post-emerge.

Program: Living Well Episode #423
Air Date: Tuesday, January 31, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Tom & Ann Weiss-Pennachietti, Dolores Fabiano, Michael Olson, Aida & Primo Oducado

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

On a recent trip to Alsace, France, Anna and Michael were inspired by the sights and flavors of the region. On this episode Anna prepares a traditional Alsatian meal to share with friends as they reminisce about their travels. She heads to a local winery to find the perfect pairings for her Tarte Flambee, Choucroute Garni and Pain d'epices.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

Aida Oducado prepares exotic Phillipino dishes and wins a ten dollar bet with David.

Program: Ag PhD Episode #980
Air Date: Thursday, February 2, 2017 5:00am
Topic/Title: Ag PhD Soils Clinics, Dicamba Product Differences, Soybean Post-Emerge Herbicides
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The Ag PhD Soil Clinics demonstrates soil tests, soil app, and website. The clinics show farmers how to make their own fertilizer decisions for rate and application in their fields. Millions of dollars are spent on fertilizer. Therefore, making decisions for the farm should not be left solely to a fertilizer dealer.

Soybean Post-Emerge Herbicides are needed due to Roundup resistant weeds. Roundup as a pre-emerge now needs options post-emerge. Roundup needs to be followed with a different mode of action. Small droplets is best control. The post-emerge options are contact killers but need to be used on small weeds of two to four inches. Cobra is expensive, but good for palmer pigweed, ragweed, water hemp and kosha. Harass is good for lambsquarters. For velvetleaf and pigweed, Cadet and Resource are good. Flexstar is cheap and great for palmer pigweed, waterhemp and ragweed, but has carryover. First Rate is good for ragweed only. Broad spectrum post-emerge herbicides are Pursuit and Raptor. They have some activity on grass and broadleaf but need a mix for ragweed. For residual only, Zidua, Warrant, Outlook and Duall are good.

Not all Dicamba products are the same. Physical drift and volatility are a concern. Curling leaves is fine, but shortening of the plant causes yield loss. Choose weather conditions of no wind, no fog, nor temperature inversions. Diflexx and Status have corn safeners. Finally, Ammonia Sulfate is not recommended to be mixed with Dicamba products.

Weed of the Week is Hemp Sesbania. It is an annual weed. It is a host for soybean cyst nematode and soybean rust. Verdict, Status or Valor should be used pre-emerge. RoundUp or Liberty post-emerge. For wheat, use Sharpen pre-emerge, followed by Huskie post-emerge.

Program: Ag PhD Episode #981
Air Date: Thursday, February 2, 2017 5:30am
Topic/Title: Ag PhD Nutrient Deficiency App, Alfalfa, Tips from High-Yielding Corn Growers
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The Ag PhD Nutrient Deficiency App provides pictures and information for identifying nutrient deficiencies in a variety of crops. If short in nutrient, crop will be a water waster. Plant will continue to pull water from ground trying to get the nutrient it needs.

Alfalfa production is based on tonnage and quality. Both are a result of getting fertility just right. PNK (nitrogen, phosphate, and potassium) do not move down into soil so it is important to get them down into it. Run a complete soil analysis for pH and micronutrients too. Weed control is also important. Eptam pre-emerge is good for stand. For post-emerge, use Selectmax for grass and Pursuit or Raptor for broadleaf. Scouting should be done all through the season for insect control. Also a fungicide, Headline, is good to use for disease control.

High yield corn farmers advise getting a great stand established. Tillage is important and the use of seed treatments. Soil tests and plant tissue analysis for micronutrients are vital. Also, fungicides should be used early and often.

Weed of the Week is Virginia Groundcherry. It is a perennial with an extensive root system. Avoid tillage. Use high rate of Roundup to burndown or in tolerant crops.

Program: Living Well Episode #424
Air Date: Tuesday, February 7, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Mario and Barbara Pingue, Dolores Fabiano, Francoise Bradette-Nimbley

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

Anna's friends, the Pingues, are local producers of fine meats who are passionate about Italian food. So Anna is preparing a classic Italian feast to share with them. Featuring a spectacular antipasto platter, osso bucco with acini di pepe pasta and an arugula pineapple salad – it's all the tastes of Italy right at home.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

Francoise Bradette-Nimbley is a French-Canadian "grand-mere" who (along with her sisters) teaches David about touritiere and poutine.

Program: Ag PhD Episode #981
Air Date: Thursday, February 9, 2017 5:00am
Topic/Title: Ag PhD Nutrient Deficiency App, Tips from High-Yielding Corn Growers, Alfalfa
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The Ag PhD Nutrient Deficiency App provides pictures and information for identifying nutrient deficiencies in a variety of crops. If short in nutrient, crop will be a water waster. Plant will continue to pull water from ground trying to get the nutrient it needs.

Alfalfa production is based on tonnage and quality. Both are a result of getting fertility just right. PNK (nitrogen, phosphate, and potassium) do not move down into soil so it is important to get them down into it. Run a complete soil analysis for pH and micronutrients too. Weed control is also important. Eptam pre-emerge is good for stand. For post-emerge, use Selectmax for grass and Pursuit or Raptor for broadleaf. Scouting should be done all through the season for insect control. Also a fungicide, Headline, is good to use for disease control.

High yield corn farmers advise getting a great stand established. Tillage is important and the use of seed treatments. Soil tests and plant tissue analysis for micronutrients are vital. Also, fungicides should be used early and often.

Weed of the Week is Virginia Groundcherry. It is a perennial with an extensive root system. Avoid tillage. Use high rate of Roundup to burndown or in tolerant crops.

Program: Ag PhD Episode #982
Air Date: Thursday, February 9, 2017 5:30am
Topic/Title: Grain Handling Care, Popup Fertilizer, Using Satellite Imagery for Management Decisions
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Grain handling care and safety are of utmost importance. If not properly stored, grain can spoil. Farming is dangerous. Trying to clear an auger, always have a buddy or strap off before entering a bin.

Pop-up fertilizer is one of the ways to band which applying in-furrow. Soil determines what system to use. Try to use products without or with very low salt. Dilute products if need be. Fungicide can be applied at same time as fertilizer, but not mixed with it. Insecticide can be mixed. If really high rate of fertilizer is needed, then apply as broadcast rather than in-furrow.

Satellite imagery helps farmers identify problems areas in field. Get field map three months in advance. Create management zones. Then soil sample based on targeted areas.

Weed of the Week is Giant Foxtail. Foxtail species has to be accurately identified for correct herbicide. Green Foxtail is easiest and yellow is the hardest to get rid of. Giant Foxtail is somewhere in between. It is an annual weed that needs to be stopped before it goes to seed. For corn pre-emerge, use Surpass, Harness, Outlook, Duall, Zidua followed by Accent, Roundup and Liberty. For soybean pre-emerge, use Prowl, Sonalan, Trifluralin followed by Roundup, Liberty and Selectmax. For wheat pre-emerge, use Pre-para followed by Axial.

Program: Living Well Episode #425
Air Date: Tuesday, February 14, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Jessie Salmon-Grandmother
Shana-Jessie's Granddaughter

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own. In this episode Anna plans a casual evening with friends and makes Tapas. Anna talks about how Tapas are a colorful and creative way to serve many flavors. She makes Spanish Pinchos, Potato Tortilla with Chorizo Sausage, San Sebastian Crab Tarts and Gambas A La Plancha. She also takes a trip to her store to pick up some traditional Spanish ingredients.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life. In this episode David visits the home of Jamaican Grandmother Jessie Salmon and they make Christmas Cake, Rice and Peas and Jerk Chicken. Jessie also shows David how to pick out a good coconut in the store.

Program: Ag PhD Episode #982
Air Date: Thursday, February 16, 2017 5:00am
Topic/Title: Grain Handling Care, Popup Fertilizer, Using Satellite Imagery for Management Decisions
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Grain handling care and safety are of utmost importance. If not properly stored, grain can spoil. Farming is dangerous. Trying to clear an auger, always have a buddy or strap off before entering a bin.

Pop-up fertilizer is one of the ways to band which applying in-furrow. Soil determines what system to use. Try to use products without or with very low salt. Dilute products if need be. Fungicide can be applied at same time as fertilizer, but not mixed with it. Insecticide can be mixed. If really high rate of fertilizer is needed, then apply as broadcast rather than in-furrow.

Satellite imagery helps farmers identify problems areas in field. Get field map three months in advance. Create management zones. Then soil sample based on targeted areas.

Weed of the Week is Giant Foxtail. Foxtail species has to be accurately identified for correct herbicide. Green Foxtail is easiest and yellow is the hardest to get rid of. Giant Foxtail is somewhere in between. It is an annual weed that needs to be stopped before it goes to seed. For corn pre-emerge, use Surpass, Harness, Outlook, Duall, Zidua followed by Accent, Roundup and Liberty. For soybean pre-emerge, use Prowl, Sonalan, Trifluralin followed by Roundup, Liberty and Selectmax. For wheat pre-emerge, use Pre-pare followed by Axial.

Program: Ag PhD Episode #983
Air Date: Thursday, February 16, 2017 5:30am
Topic/Title: Reducing High Salt Levels in Fields, Terraces and Farming the Contour, Reducing Spray Drift and Volatilization
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The issues with terraces and farming the contour are erosion and hills too steep for equipment. There are two types of terraces. One is called push-up terraces that are flattened and pushed up without the back side farmed. Regular terraces can be farmed on both sides by going around. Farming the contour is to go across the hill rather than up and down. It slows the run off of water.

Soils must have salt levels fixed if they present over one percent of salt on soil test. When high salt level is discovered, the next step is to determine cause. Water quality is important. If irrigation water has salt, so will the field. A new well will need dug or water treated. Drainage is crucial. The field may need more tiling or closer spacing. If manure has salt, it will need to be stopped until salt is controlled. If kochia still grows, the problem is still fixable. It is recommended to get something growing, a cover crop or barley are good choices. Also, if calcium and sulfur are low, adding gypsum can help. They have large molecules and make soil porous. Sulfate attaches to salt and leaches easily.

Spray drift is movement as product is sprayed. Spray volatility is movement of vapors after products is sprayed. Both drift and volatility need to be kept at a minimum. Physical drift is controlled when there is no wind and with spray tips. It is recommended to use nozzles that produce big droplets. Spray volatility is caused by fog and temperature inversions. It is important to pick products with low volatility.

Weed of the Week is Buffalobur. It is an annual with thick spikes on stem. Heavy gloves are needed for it. In pasture, Tordon or 2, 4-D can be used. In corn pre-emerge, use Verdict followed by Status post-emerge. For soybeans pre-emerge, use the three pre's or Verdict followed by Roundup or Liberty post-emerge. For wheat it is Sharpen pre-emerge and Huskie post-emerge.

Program: Living Well Episode #426
Air Date: Tuesday, February 21, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: April Turpin-Picard's Peanuts
Ann Lytwyn-Grandmother

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own. In this episode Anna plans a fun evening with friends playing Charades. She makes Quesadillas, Vegetable Chowder with Warm Confetti Corn Bread and Caramel Peanut Popcorn. We also visit Picard's Peanuts so Anna get pick up some fresh peanuts for the popcorn.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life. In this episode David visits the home of Ukrainian Grandmother Ann Lytwyn. They talk about Ann's life experiences over the years, while making Miaso Na Patechky, Rohalky, and Nalysnyky.

Program: Ag PhD Episode #983
Air Date: Thursday, February 23, 2017 5:00am
Topic/Title: Reducing High Salt Levels in Fields, Terraces and Farming the Contour, Reducing Spray Drift and Volatilization
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The issues with terraces and farming the contour are erosion and hills too steep for equipment. There are two types of terraces. One is called push-up terraces that are flattened and pushed up without the back side farmed. Regular terraces can be farmed on both sides by going around. Farming the contour is to go across the hill rather than up and down. It slows the run off of water.

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Program: Ag PhD Episode #984
Air Date: Thursday, February 23, 2017 5:30am
Topic/Title: Ag PhD Tiling Clinic, Variable Variety and Population Planting, Tips from High Yield Wheat Farmers
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

One of the most important things on the farm is tiling. AgPhD offers a tiling clinic annually. Tiling changes the environment of the soil. A big misunderstanding is that tiling will cause flooding. Tiling creates higher yield. High yield takes more water so tiling does not cause flooding. If tiling done correctly, the water comes out clean and is good quality.

Variable Variety and Population Planting is possible because many companies have planting technology so that farmers can change population and variety throughout the field. The biggest problem seed companies have is that there are so many varieties coming out. Choices have to be made based on soil. Poor ground can have one variety and good ground can have another.

High yield wheat tips from high yield farmers are as follows. Early season management is crucial. Late season fungicide is important to get highest yield. A grow regulator is good for lodging problems. Micronutrients are critical for health and disease tolerance. Seed treatment and insecticide need to be used.

Weed of the Week is Wild Sunflower. Apply 2-4-D, Pursuit, Raptor, Roundup, Liberty or Dicamba in crown or leaves. It is important to get weed under control when small.

Program: Living Well Episode #401
Air Date: Tuesday, February 28, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Juanita Berry

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

Cooking for a crowd can be a fun and gratifying task, it just takes a little planning, choosing your menu, and organizing tasks ahead of time. Watch as Anna takes us through the essentials of throwing a great dinner party. For her guests, Anna prepares a Mediterranean Potato Salad, juicy BBQ Back Ribs, and tops tender greens and grilled apricots with her Marinated Flank Steak. The table is set, the company is great and the food is delicious.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

Juanita Berry, a "Grandma from Alabama" cooks up Sweet Potato Pie, Southern Fried Rabbit and teaches David how to play 'ball and jacks'.

Program: Ag PhD Episode #984
Air Date: Thursday, March 2, 2017 5:00am
Topic/Title: Ag PhD Tiling Clinic, Variable Variety and Population Planting, Tips from High Yield Wheat Farmers
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

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Weed of the Week is Wild Sunflower. Apply 2-4-D, Pursuit, Raptor, Roundup, Liberty or Dicamba in crown or leaves. It is important to get weed under control when small.

Program: Ag PhD Episode #985
Air Date: Thursday, March 2, 2017 5:30am
Topic/Title: Freeze/Thaw Effect, Dry Beans, Nutrient Stratification
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The Freeze-Thaw Effect has a benefit to agriculture. The soil is air, water and dirt. Water contracts and expands when frozen. It helps with compaction. Insects and weeds cannot handle subzero temperatures.

Dry beans have a high need for nutrients. Soil fertility is crucial. Potassium must be good. Use a seed treatment to protect against insects and disease. Pre-emerge herbicide is important. Use Sonalan, Prowl, and Spartan Charge. For top yields, try to anticipate and protect crops with fungicides. For post-emerge weed control use Varisto and Reflex.

Nutrient stratification happens in no till and reduce tillage which causes nutrients on top three inches of layer of soil and none below. Take two feet deep soil test. Instead of using a ripper to bring up soil and mix with four to six inches of top soil, inject fertilizer into soil.

Weed of the Week is Bull Thistle. It is a biennial, so it is best taken care of in year one before it goes to seed in year two. Tordon can be used in pasture, but not near river nor trees. Milestone is good for non-crop areas. In crop areas, Lo-Vol 6 is a good concentration of 2-4-D.

Program: Living Well Episode #402
Air Date: Tuesday, March 7, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Karen Whitty of Whitty Farms, Welland Fire Dept, Sylvia Evans

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

In this episode Anna cooks for a team of firefighters with appetites only she can put out! She comes to the rescue with healthy, delicious meals that can be served up either hot or cold: a Sweet Potato Soup that's perfect for any season, Peach Oatmeal Griddle Cookies that are great for on the go, and a Salmon Chickpea Toss that's left-over friendly. A busy lifestyle doesn't mean you have to sacrifice on taste!

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

English grandmother Sylvia Evans teaches David how make Trifle, Scones and make a proper English Tea in the garden and invites friends who wear lots of floppy hats.

Program: Ag PhD Episode #985
Air Date: Thursday, March 9, 2017 5:00am
Topic/Title: Freeze/Thaw Effect, Dry Beans, Nutrient Stratification
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

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Program: Ag PhD Episode #986
Air Date: Thursday, March 9, 2017 5:30am
Topic/Title: Tips from High Yield Soybeans Farmers, Spray Adjuvants and Drift Retardants, Ag PhD Field Guide
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

The highest yield soybean farmers have fields with good fertility. Soil tests check fertility levels and potassium, micronutrients and sulfur levels are key. The whole fertility package needs to be looked. Plant analysis needs to be looked at throughout the season and adjust through season. Genetics are also important. Seeds treatments for bugs and fungicide are important. Timing is important too. Control weeds and insects early and go late into the year. Scouting fields regularly is crucial. Micronutrients and biologicals need to be utilized for highest yields. Also look at what soybeans nutrients are removing and replenish.

AgPhD offers a Spray Adjuvants and Drift Retardants Field Guide application. It has weed and insect identification tips and control recommendations, radio updates, and insect hatch track.

Spray adjuvants and drift retardants reduce drift and volatility. HPG polymer is favorite. Start with low rate and work up. Look at label if weather is drier and cooler use oil spray adjuvant to penetrate leaf. Too much drift retardant can be a problem in spray tank. It can change pattern of sprayer causing streaks in field. Non-ionic surfactant will stick. Crop oil will burn.

Weed of the Week is Yellow Nutsedge. It can produce by tubers and seed. It has a triangular stem. It is a sedge and not a grass. For pre-emerge use Duall and Roundup at high rate.

Program: Living Well Episode #403
Air Date: Tuesday, March 14, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Mary Finson, Rose Reisman

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

Anna's good friend Jennifer is getting married and Anna's gift is a wedding cake, not just a wedding cake, but a fabulous 4 tier White Chocolate Wedding Cake filled with local fresh berries and topped with green fondant. In this episode Anna also makes time to deliver three hors d'oeuvres to the bridal party before the event: Artichoke Asiago Squares, Devilled Eggs, and Champagne Shrimp on Endive.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

In this episode we meet Jewish grandmother Mary Finson and her daughter, cookbook author Rose Reisman. They go head to head in a low-fat vs. high-fat mother/daughter cookie war!

Program: Ag PhD Episode #986
Air Date: Thursday, March 16, 2017 5:00am
Topic/Title: Tips from High Yield Soybeans Farmers, Spray Adjuvants and Drift Retardants, Ag PhD Field Guide
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

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Program: Ag PhD Episode #987
Air Date: Thursday, March 16, 2017 5:30am
Topic/Title: Neonics Seed Treatments, Variable Rate Planting Maps, Terminating Cover Crops
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Neonictinoid pesticides is one of the most misunderstood pesticides. It is in the family of nicotine and is safe as a seed treatment. They replaced harmful pesticides. It is the only insecticide family available. Even though it is safe for humans, systemic, inexpensive and effective, it can kill bees slowly. Bees can take it back to the hive and kill the hive. Use neonictinoid pesticide as a seed treatment and not post-emerge to make it safer for bees. Still, number one issue for bees is Varroa mites which are parasitic and feed on bees.

Variable rate planting setup is done with grid maps cross referenced with yield maps. Soil type maps are not always accurate and can change over time so it is important to do soil tests. Judgment calls need to be made based on moisture and the type of field. Use variable rate on different types to determine yield.

Terminating cover crops in the Midwest is accomplished with winter, but in other areas there are perennials and winter annuals or it just doesn't get cold enough. Cover crops are encouraged but nutrients removal is a concern. Insects and disease are a concern too. A two week burn off is important, but higher rate may need to be used with good coverage.

Weed of the Week is Canada Thistle. It is a tough perennial with extensive root system, so no tillage. Roundup at high rate for a burndown. Tordon and Milestone can be used on pasture.

Program: Living Well Episode #404
Air Date: Tuesday, March 21, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Charlotte de Neve

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

It's beautiful outside, so why not join Anna and her friends for an impromptu beach party. Anna prepares Roasted Pepper and Eggplant Salad and Three-Bean Salad before heading over to Minors Fisheries to pick up fresh local fish for her pièce de résistance: Lakeside Paella. Her friends enjoy helping her cook on the beach- roasting their Potato Prosciutto Kebabs in an open fire and stirring the slow cooking Lakeside Paella to perfection right on the beach.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

Indo-Dutch grandmother Charlotte de Neve makes Gado-Gado Salad and tells stories of her Grandfather, the former Governor of Borneo.

Program: Ag PhD Episode #987
Air Date: Thursday, March 23, 2017 5:00am
Topic/Title: Neonics Seed Treatments, Variable Rate Planting Maps, Terminating Cover Crops
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

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Program: Ag PhD Episode #988
Air Date: Thursday, March 23, 2017 5:30am
Topic/Title: Ag PhD Planting Population App, Manure Application, Sunflowers
Duration: 30 minutes
Style/Type: Magazine Format
Source: Ag PhD Productions/Alex George
Issue(s) Addressed: Agriculture/Economics
Host(s): Darren and Brian Hefty

Planting Population app is provided by Ag PhD. Take a count of plants popping up through soil. Based on spacing, the app can calculate what plant count should be per acre.

To get the highest yield for sunflower production, fertility is crucial. Fertilizer is important when not a lot of rainfall. Plants will pull water when seeking nutrients. Do soil tests. Pre-emerge herbicide is important. Spartan Charge is good for burndown for broadleaf and Sonalan is best for grass control. In addition, fungicides are cheap. For best disease control, spray early and late season. Several hundreds of pounds of yield will be the benefit. Insecticides are cheap too and will contribute to yield. Birds however, really can't be controlled.

The smell of manure is money lost. To prevent loss, use a nitrogen stabilizer and get the manure in the ground fast. Put the manure six to 10 inches deep. Do soil and manure tests to monitor phosphorous and salt levels. Balance is the key.

Weed of the Week is Wild Four O'Clock. It is a perennial in grasslands and ditches. 2-4-D, Tordon and Dicamba will kill it. It is not a big deal weed, but may take more than one application to get rid of it. In corn, use Roundup. In soybeans, use Xtend and Liberty for burndown. For wheat, use Roundup, Sharpen and Huskie for burndown.

Program: Living Well Episode #405
Air Date: Tuesday, March 28, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Eva and Peter Ouzas

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

It's a day at the horses races for Anna and her friends, but first a casual outdoor lunch. Travel with Anna to a local farm gate stand to buy fresh cabbage and onions for her Peameal Sandwiches with Coleslaw. Next she makes French Fries with Caesar Dressing. A decadent Triple Chocolate Brownies dessert rounds out this perfect relaxing lunchtime meal.

This delightful cooking series is devoted to characters, cultures and food. Each week, host David Gale visits a different grandmother to cook, laugh and learn about her life.

In this episode David visits the home of Eva Ouzas' who along with her husband shows David how to make Greek cuisine. They make spanakopita, lamb and stuffed grape leaves.

Program: Living Well Episode #405
Air Date: Thursday, March 30, 2017 5:00am
Topic/Title: Fresh With Anna Olson and Loving Spoonfuls
Duration: 58:30 minutes
Style/Type: Human Interest
Source: ION Life
Issue(s) Addressed: Organic, healthy, local and culturally diverse cooking
Host(s): Anna Olson and David Gale
Guests: Eva and Peter Ouzas

This inspirational series takes viewers inside Anna's world – a chef who truly lives food around the clock. Learn how you too can become inspired by fresh foods in your area, and watch as her enthusiasm motivates you to try new culinary creations of your own.

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