

TEAM EVENT – 2013 STATE FFA Agronomy CDE

There are four parts to the team competition. It is suggested that each team member complete one part of the Team Activity and if time permits team members may check other members' work. A team with three members (or fewer) may have a member complete more than one part. Transfer answers to the bubble sheet after completing the crop budget. You will have **30 minutes** to complete this activity. Transfer all answers to the **Team Event** bubble sheet. Make sure the **Chapter Name and Team Number** are on the bubble sheet. **Choose answer closest to yours, answers may vary due to rounding.**

Part 1: Planting and Harvesting- For questions 1-9 use the seed tag provided

1. What is the maturity rating for the hybrid selected?
 - a) 1280 GDDs
 - b) 2540 GDDs
 - c) 102 days
 - d) not told on seed tag
2. How many heat units (GDDs) are needed to reach physiological maturity?
 - a) 102
 - b) 1280
 - c) 2540
 - d) 3820
3. If a producer plants at a rate of 38,000 kernels/acre how many bags of seed will be needed to plant 2,000 acres if there are 1,600 seeds/pound?
 - a) 400 bags
 - b) 475 bags
 - c) 529 bags
 - d) 953 bags
4. If the seed costs \$340/bag, what is the total seed cost for 2,000 acres?
 - a) \$136,000
 - b) \$161,500
 - c) \$179,860
 - d) \$323,68
5. What is the PLS percentage for this seed?
 - a) 93.1%
 - b) 94.1%
 - c) 95.0%
 - d) 99.0%

6. What is meant by VT3 on the seed tag?
 - a) this is the seed size
 - b) these are the traits in the seed
 - c) this is the number of times the seed was grown
 - d) this is the yield rating

7. What is the amount of noxious weeds present in this seed?
 - a) 0.6%
 - b) 0.4%
 - c) none are present
 - d) none of the above are true

8. Can glyphosate herbicide be sprayed on the 2,000 acres and the corn still be safe?
 - a) yes as a post emergence application
 - b) no
 - c) only as a pre-emergence application
 - d) only as a pre-plant application

9. What company has patented this hybrid?
 - a) DuPont
 - b) AsGrow
 - c) DeKalb
 - d) Monsanto

10. If a producer has a test strip 600 feet long and plants with a 12 row-30 inch row, what part of an acre(s) is the test strip? (just one pass)
 - a) 4.90 acres
 - b) 0.17 acres
 - c) 0.41 acres
 - d) 0.01 acres

11. If a producer harvests 4,822 pounds of corn from the test strip, the yield would be:
 - a) 175.7 bushels/acre.
 - b) 198.4 bushels/acre.
 - c) 210.0 bushels/acre.
 - d) 278.4 bushels/acre.

12. What would be the total yield for 2,000 acres?
 - a) 351,400 bushels
 - b) 396,800 bushels
 - c) 420,000 bushels
 - d) 556,800 bushels

13. If the producer locked in a price of \$5.70/bushel, what is the total crop value?
 - a) \$3,173,760
 - b) \$2,394,000
 - c) \$2,261,760
 - d) \$2,002,980

14. If drying costs were \$0.15/ 1percent moisture, what would be the total drying costs to dry the corn from 22% moisture to 15% moisture.
- a) \$359,100
 - b) \$300,447
 - c) \$339,264
 - d) \$441,000
15. If the producer stores the grain at a co-op and it costs \$.30 for three months and then \$.08/month/bushel after that, what would be the storage costs from November 1 through March 30 per bushel?
- a) \$0.38
 - b) \$0.46
 - c) \$0.54
 - d) \$0.70

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Part 2- Herbicide Application- Use the Corvus label to answer the questions for this section.

16. When can this herbicide be applied?
 - a) pre-emergence
 - b) pre-plant
 - c) post emergence
 - d) all of the above
17. How many sites (modes) of action are covered by this herbicide?
 - a) 1
 - b) 2
 - c) 3
 - d) 4
18. Is a Private Pesticide Applicator's License required to purchase and apply this herbicide?
 - a) no
 - b) yes
19. In which type(s) of tillage system(s) can this herbicide be used?
 - a) conventional tillage
 - b) conservation tillage
 - c) no-till
 - d) all of the above
20. Which crop or crops can this herbicide be applied to?
 - a) field corn
 - b) pop corn
 - c) sweet corn
 - d) all of the above
21. If this herbicide is applied, how many days must a producer wait after an application to harvest the corn as silage?
 - a) the corn can be chopped any time after application
 - b) 24 days
 - c) 36 days
 - d) 45 days
22. When using this herbicide, which insecticide can be used the same year?
 - a) Aztec
 - b) Counter
 - c) Dyfonate
 - d) Thimet

23. If a producer has sandy loam soil with a pH of 6.8 and organic matter of 1.3%, what rate of the herbicide should be applied per acre?
- a) 2.00 ounces/acre
 - b) 2.83 ounces/acre
 - c) 3.33 ounces/acre
 - d) 5.60 ounces/acre
24. How many 2.5- gallon containers of this herbicide would be needed to purchase for 2,000 acres of corn?
- a) 18
 - b) 21
 - c) 43
 - d) 88
25. What would be the herbicide cost for the 2,000 acres if it is costs \$569/container?
- a) \$7,397
 - b) \$11,949
 - c) \$24,467
 - d) \$50,072
26. After using this herbicide, a producer may need another herbicide as a post-emergence application to control which weed or weeds?
- a) cocklebur
 - b) giant foxtail
 - c) common lambsquarter
 - d) a and c

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Part 3- Insecticide Application- Use the Aztec label to answer the following questions.

27. Is a Pesticide Applicators License needed to purchase Aztec?
- a) no
 - b) yes
28. Which pest will Aztec NOT control?
- a) corn rootworms
 - b) cutworms
 - c) white grubs
 - d) ear worm
29. What type of gloves can be worn when working with Aztec?
- a) leather gloves
 - b) cloth gloves
 - c) chemical-resistant gloves
 - d) all of these can be worn
30. If you are applying Aztec near a stream how can it be applied?
- a) on the soil surface
 - b) in furrow
 - c) in a T-band
 - d) all of these are approved
31. What is the REI for Aztec in an area with 30-35" of rainfall per year?
- a) 12 hours
 - b) 24 hours
 - c) 48 hours
 - d) 72 hours
32. If Aztec were applied to corn and the corn was severely damaged by hail and a producer wanted to plant soybeans, how long must they wait following the Aztec application to plant soybeans?
- a) 10 days
 - b) 20 days
 - c) 30 days
 - d) there is no waiting period
33. When applying Aztec in T-band it is applied:
- a) in front of the press wheel.
 - b) behind the press wheel.
 - c) in the furrow in a 6" band.
 - d) none of these are correct

34. If a producer has a new Kinze planter, what should the setting be on the insecticide boxes if planting at 6 mph?
- a) 14
 - b) 15
 - c) 23
 - d) 24
35. What should be the maximum rate per acre when using 30-inch rows?
- a) 6.5 pounds
 - b) 6.7 pounds
 - c) 6.9 pounds
 - d) 7.3 pounds
36. If a producer plants 2,000 acres of corn how many pounds need to be purchased if the using the maximum rate for 30-inch rows?
- a) 14,600 pounds
 - b) 13,800 pounds
 - c) 13,400 pounds
 - d) 13,000 pounds
37. If Aztec comes in 50- pound bags, how many bags need to be purchased for the 2,000 acres of corn?
- a) 260 bags
 - b) 276 bags
 - c) 284 bags
 - d) 292 bags
38. If Aztec costs \$160/bag, what will the insecticide cost for 2,000 acres?
- a) \$44,280
 - b) \$46,720
 - c) \$48,180
 - d) \$52,420

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Part 4-Fertilizer- The producer wants to apply 180 pounds N per acre and the soil test calls for 180+72+110 per acre.

39. The producer chooses to use DAP (18-46-0). According to the soil test results, how many pounds of DAP will be needed to meet the phosphorus needs?
- a) 133 pounds
 - b) 157 pounds
 - c) 239 pounds
 - d) 920 pounds
40. If DAP costs \$726/ton, the cost for 2,000 acres will be:
- a) \$96,558.
 - b) \$113,982.
 - c) \$173,514.
 - d) \$216,728.
41. How much potash (0-0-60) will be needed for 2,000 acres to meet the potassium needs?
- a) 110.0 tons
 - b) 183.3 tons
 - c) 333.6 tons
 - d) 363.6 tons
42. How much will potash cost for the 2,000 acres if it is \$647/ton?
- a) \$71,170
 - b) \$118,595
 - c) \$215,839
 - d) \$235,249
43. The producer plans on applying anhydrous to meet the rest of the nitrogen needs. How many pounds of anhydrous will be needed per acre? (some N was applied with the DAP)
- a) 225 pounds
 - b) 185 pounds
 - c) 162 pounds
 - d) 142 pounds
44. Anhydrous ammonia costs \$783/ton and the producer wants to apply 180 pounds actual N/acre. What would the anhydrous cost? (remember some N applied with DAP)
- a) \$176,175
 - b) \$111,186
 - c) \$126,846
 - d) \$144,855

45. If the producer used urea (46% N) and urea costs \$554/ton, what would the N costs be for the 2,000 acres be? (remember some N is applied with DAP)

- a) \$74,236
- b) \$89,748
- c) \$125,204
- d) \$183,061

46. Liquid nitrogen costs \$373/ton and is 28% N. What is the cost per pound N if liquid nitrogen is used?

- a) \$0.05
- b) \$0.19
- c) \$0.67
- d) \$1.04

Crop Budget : Questions 47-50 are on the Crop Budget

Sheet. Choose the answers closest to what you have, since rounding errors might have occurred. Record your answers on the bubble sheet.

47. Fill in the boxes and then add the expenses given. Total expenses for the 2000 acres would be:

- a) \$1,405,894
- b) \$1,422,894
- c) \$1,440,894
- d) \$1,448,144

48. Enter corn sales from question 13. Subtract total expenses from sales to get a total profit of:

- a) \$945,856
- b) \$953,106
- c) \$971,106
- d) \$988,106

49. Compute the break-even yield.

- a) 123.32 bushels
- b) 124.81 bushels
- c) 126.39 bushels
- d) 127.03 bushels

50. Compute the break-even corn price.

- a) \$4.10
- b) \$3.63
- c) \$3.43
- d) \$2.59

CROP BUDGET

EXPENSES

INCOME

SEED COSTS
HERBICIDE COSTS
INSECTICIDE COSTS
FERTILIZER COSTS

MACHINERY 290,000
HAULING 13,200
RENT 360,000

TOTAL EXPENSES 47

TOTAL INCOME corn sales from no.13

NET PROFIT 48

BREAK-EVEN YIELD 49

BREAK-EVEN CORN PRICE 50

80,000 SEEDS/UNIT



Hybrid Seed Corn

DKC52-59

BRAND
(VT3)

RELATIVE MATURITY: OVERALL - 102

GROWING DEGREE UNITS	
MID-POLLINATION: 1280	BLACK LAYER: 2540
LOT NO. 766WCF4JH	
VARIETY: 4688380	PURE SEED: 99.00%
KIND: FIELD CORN	OTHER CROP SEED: 0.60 %
DATE TESTED: 11/11	NOXIOUS WEEDS/LB: NONE
GERM: 95%	INERT MATTER: 0.40 %
ORIGIN: IA	WEED SEED: 0.00 %
TREATMENT: WAIH2V	SUGGESTED PLATE
	JD B9
	CIH C9

This is a product of MONSANTO's research program offering unique genetic characteristics for specific grower needs and protected by U.S. patent(s) 7,166,780



(01) 0 0883580435154 (10) 766WCF4JH



11306320 - 80,000 SEEDS/UNIT - A500 - AF



FIRST AID: If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water. Use soap if available. If Swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. For emergency medical treatment information, Call Collect Day or Night: (314) 694-4000.

Hazards to Humans and Animals: Harmful if swallowed, inhaled, or absorbed through skin. Ingestion of treated seed may be hazardous to domestic animals and livestock. Treated seed exposed on soil surface may be hazardous to birds, fish and other wildlife.

Personal Protective Equipment: Minimize skin contact by wearing protective clothing such as long-sleeved shirt, long pants, socks plus shoes, chemical-resistant gloves and protective eyewear when handling treated seed. Handle treated seed in a well ventilated area. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Remove contaminated clothing and wash with detergent and water before reuse. Wash hands and face before eating, drinking or smoking.

Disposal: Cover or collect treated seeds spilled during loading. Dispose of all excess treated seed. Leftover treated seed may be doublesown around headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment washwaters. Dispose of treated seed packaging in accordance with local requirements.

WARNING: KEEP OUT OF REACH OF CHILDREN. THIS SEED HAS BEEN TREATED WITH SEED PROTECTANTS CODED BELOW AT THE PRODUCT'S LABELED RATE. DO NOT USE FOR FOOD, FEED OR OIL PROCESSING PURPOSES. DO NOT REUSE EMPTY SACKS. STORE AWAY FROM FEED AND OTHER FOODSTUFFS.

CODE	PROTECTANT
A	Metaxyl
D	Azoxystrobin
H1	Clothianidin* 250
H2	Clothianidin* 500
H3	Clothianidin* 1250
I	Trifloxystrobin
M	Fludioxonil
V	Bacillus firmus I-1582
W	Iproconazole
X	Mefenoxam

Azoxystrobin-treated seed: The active ingredient, Azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in groundwater contamination. This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. Clothianidin-treated seed: Areas planted with treated field corn or popcorn seed may be replanted immediately with corn, rapeseed and canola. These areas may also be replanted after 30 days with cereal grains, grasses, non-grass animal feeds, soybeans, dried beans, and root and tuber vegetables. These areas may also be replanted after 8 months with sugar cane. Do not plant any other crop in treated area for at least one year after treated seeds are planted. Areas planted with treated sweet corn, canola, rapeseed, or sorghum may be replanted immediately with corn, rapeseed, canola, or sorghum. These areas may also be replanted after 30 days with cereal grains, grasses, non-grass animal feeds, soybeans, dried beans, and root and tuber vegetables. Do not plant any other crop in treated area for at least 4 months after treated seeds are planted. Trifloxystrobin-treated seed: Treated areas may be replanted immediately with any crop for which a tolerance exists for Trifloxystrobin. All crops without Trifloxystrobin tolerances may be planted 30 days after seeding of Trifloxystrobin-treated seed. Fludioxonil/Mefenoxam-treated seed: Corn and sorghum forage may not be grazed until 30 days after planting. Clothianidin and Bacillus firmus I-1582-treated seed (Pencho/VOTIVO): Immediate Plant-back: Cereal grains, Field corn, popcorn, sweet corn, rapeseed, canola, soybeans, root and tuber vegetable. 30-Day Plant-back: Grasses, non-grass animal feeds, dry beans. 8-Month Plant-back: Sugar cane. 12-Month Plant-back: Any crops without an earlier plant-back interval. Mefenoxam-treated seed: Mefenoxam is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Use with an EPA-approved dye that imparts an unnatural color to the seed.

* Treated with 250 mg, or 500 mg, or 1250 mg per active ingredient per 1000 seed.

Call 1-800-8 DEKALB (1-800-833-5252) with any questions, feedback or additional seed needs.

NOTICE: See bag for limitation of warranties, liability and remedies.
Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63167
NET WEIGHT PRINTED ON BAG

4008812-55/53

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4008812-55/53

RESTRICTED USE PESTICIDE

Due to Toxicity to Aquatic Invertebrates

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



AZTEC 2.1% Granular Insecticide

For control of corn rootworms, cutworms and other listed soil insect pests in corn.

ACTIVE INGREDIENTS:

Tebupirimphos: O-[2-(1,1-Dimethylethyl)-5-pyrimidinyl]-O-ethyl O-(1-methylethyl) phosphorothioate..... 2.0%

Cyfluthrin: Cyano(4-fluoro-3-phenoxyphenyl)-methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate..... 0.1%

OTHER INGREDIENTS:..... 97.9%

TOTAL:..... 100.0%

**STOP – READ ENTIRE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN
WARNING AVISO**

PRECAUCION AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(TO THE USER: If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
Contains an organophosphate that inhibits cholinesterase	
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:	
For Medical Emergencies, phone:	1-888-681-4261
For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC	1-800-424-9300
For Product Use Information, phone: AMVAC	1-888-462-6822
NOTE TO PHYSICIAN	
ANTIDOTE: Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.	

EPA Reg. No. 5481-9030
EPA Est. No. 5481-AL-001

Net Contents:
As Marked on Container



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or dust. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are any waterproof material. If you want options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All loaders and any handlers engaged in activities, such as cleaning up a spill or leak and cleaning or repairing contaminated equipment, must wear:

- chemical-resistant coveralls over long-sleeve shirt and long pants,
- chemical-resistant gloves,
- chemical-resistant footwear plus socks,
- chemical-resistant apron, and

---A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

Applicators using an enclosed cab must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks

See Engineering Controls for additional requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROL STATEMENTS

Applicators must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, applicators must:

- wear the PPE required in the PPE section of this product labeling for applicators using engineering controls
- be provided, must have immediately available, and must wear in an emergency, when they must exit the cab in the treated area, the PPE specified in the PPE section of this labeling for spill clean-up
- take off any PPE that was worn in the treated area before reentering the cab, and
- store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash **thoroughly** and **change** into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Natural Resources Conservation Service for recommendations in your use area. For applications made within 20 yards of water (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. The REI is 72 hours where average rainfall is less than 25 inches per year.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances, allows workers to enter the treated area without restrictions if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water), is:

- Coveralls over long-sleeved shirt and long pants,
- Chemical resistant gloves such as or made out of any waterproof material,
- Chemical resistant footwear plus socks,
- Protective eye wear

Notify workers of the application by **warning** them orally and by **posting warning signs** at entrances to treated areas.

RESTRICTIONS

- For use only in the states of: Arkansas, Colorado, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Utah, Vermont, West Virginia, Wisconsin, and Wyoming.
- Do not use on other crops grown for food or forage.
- Corn may be replanted any time after application of Aztec® 2.1% Granular Insecticide. All other crops may be planted 30 days after application.

Aztec 2.1% Granular Insecticide is not systemic and will not interact with corn herbicides. It will not affect seed germination and crop emergence when applied in-furrow.

APPLICATION RATES		
CROP	PEST	DOSAGE
FIELD CROPS	Corn rootworm larvae (Northern, Western, Southern, Mexican)	6.7 Ounces Per 1000 Feet of Row
Field Corn	Cutworms	
Sweet Corn	Wireworms	
Popcorn	Seedcorn maggot	
Corn grown for seed or silage	Seedcorn beetle	
	White grubs	
REMARKS:		
<p>BAND - Apply specified dosage at planting as a 7-inch band over the row behind the press wheel. Granules must be incorporated into the top one inch of soil using tines, chains, or other suitable equipment.</p> <p>T-BAND - Apply specified dosage at planting as a T-Band over the row behind the planter shoe and in front of the press wheel. Incorporation into the soil surface may also be accomplished with a drag chain or other suitable equipment.</p> <p>IN-FURROW - Apply specified dosage at planting directly into the seed furrow behind the planter shoe and in front of the press wheel.</p> <p>OPTIMUM CONTROL - For control of cutworm apply Aztec 2.1% Granular Insecticide as a Band or T-Band. For control of wireworms, seedcorn maggot, seedcorn beetle and white grubs apply Aztec 2.1% Granular Insecticide as a T-Band or In-Furrow.</p>		
RESTRICTIONS:		
<ul style="list-style-type: none"> Do not apply more than 7.3 pounds Aztec 2.1% Granular Insecticide per acre (0.15 lbs. ai/A) per crop season. 		
Row Spacing (inches)	Pounds per Acre	
30	7.3	
32	6.9	
34	6.5	
36	6.1	
38	5.8	
40	5.5	
<ul style="list-style-type: none"> For no-till corn where runoff drains into adjacent or neighboring aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply Aztec 2.1% Granular Insecticide as an in-furrow or T-band application only. For applications made within 20 yards of aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only. Cover or incorporate spills (including end row spillage). 		

EQUIPMENT CALIBRATION					
Calibrate application equipment accurately prior to application of Aztec 2.1% Granular. Use the settings suggested below as starting points to calibrate for 6.7 oz. per 1000 row ft. Check and monitor the flow based on the length of row and acreage and adjust settings as necessary for proper calibration.					
APPLICATION EQUIPMENT	SPEED IN MPH				
	4	5	6	7	8
John Deere Max-Emerge 2 (Models 7200 - 7300)	20	25	26	33	38
John Deere Max-Emerge (Models 7000 and 7100) (Odd Notches 5-15-25-35)	12	13	15	17	19
John Deere Max-Emerge (Models 7000 and 7100) (Even Notches 10-20-30-40)	16	19	23	26	29
John Deere 71 Flex Planter (With 3 Range Settings and Dial)	1/31	2/6	2/10	2/14	2/16
John Deere Max-Emerge Plus	19	23	27	33	38
Gandy	21	23	24	27	29
Kinze (old)	11	12	14	16	18
Kinze (new)	16	20	24	28	32
International Harvester (Old)	2/8	2/9	3/1	3/8	3/9
International Harvester (New)	1/6	1/8	2/1	2/4	3/1
White (Series 6100) (Odd Notches 5-15-25-35)	14	16	17	18	20
White (Series 5100)	8	12	14	16	19
Allis Chalmers (78 - 79 Series)	2/8	2/9	3/1	3/8	3/9
Allis Chalmers (385 Series)	10	12	14	16	18
Buffalo (10-20-30-40)	10	12	15	17	19
Buffalo (Fluted Rolled)	All Speeds 5-1/4 Revolution Hexagon Nut				
Nobel - New(Rectangular Opening)	9	11	13	15	17
Nobel - Old (Round Opening)	13	16	19	22	24

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Product Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handling and Spillage: Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Do not walk through spilled material. In spill or leak incidents, keep unauthorized people away. Dispose of pesticide as directed in the Pesticide Disposal section. Refer to Precautionary Statements on label for hazards associated with the handling of this material. You may contact Amvac Chemical Corporation for decontamination procedures or any other assistance that may be necessary. The Amvac Chemical Corporation Telephone No. is 1-888-462-6822.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

Aztec is a registered trademark of Amvac Chemical Corporation.

AMVAC Chemical Corporation
4100 E. Washington Blvd.
Los Angeles, CA 90023 U.S.A.
1-888-462-6822

PART 1

SUBJECTIVE SCORE INSTRUCTOR USE ONLY

100	90	80	70	60
50	40	30	20	10
9	8	7	6	5
4	3	2	1	0

KEY

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

IMPORTANT

USE NO. 2 PENCIL ONLY

- MAKE DARK MARKS
- ERASE COMPLETELY TO CHANGE
- EXAMPLE: A B C D E

TO USE SUBJECTIVE SCORE FEATURE:

- Mark total possible subjective points
- Only one mark per line on key
- 163 points maximum

EXAMPLE OF STUDENT SCORE:

100	90	80	70	60
50	40	30	20	10
9	8	7	6	5
4	3	2	1	0

SCANTRON
FORM NO. 882-E

FOR USE ON
TEST SCORING
MACHINE ONLY

REORDER ONLINE
www.ScantronStore.com

NAME	Team Event Key	TEST NO.	
SUBJECT		PERIOD	
DATE	2013		

TEST RECORD	
PART 1	
PART 2	
TOTAL	

Customer Service
1-800-SCANTRON

FEED THIS DIRECTION

SCANTRON EM-882-E-416

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