Insect-resistant refuges have requirements to meet

Knowing the requirements for refuges for insect-resistant management for Bt corn can be important when ordering seed corn and planning for the upcoming growing season.

There are two basic insect-resistant management programs for Bt rootworm corn and Bt European corn borer corn.

If you are growing a Bt corn stack that has genes for both corn borer and rootworm (YieldGard Plus, Herculex Xtra), you must follow corn



requirements.

refuge of at least 20 percent non-Bt rootworm corn that may be treated in or adjacent to Bt rootworm cornwith insecticides (e.g., seed treat-fields or as in-field strips. External the insect resistant management for ments, liquid or granular) as needed refuges must be planted adjacent to rootworm program for Bt rootworm to control corn rootworm larvae. Growers will not be permitted to

or other insects. e.g., western bean cutworms, grass-

hoppers, etc.) corn rootworm, there are several while adult corn rootworm are present unless the Bt rootworm Growers must plant a structured field is treated in a similar manner. Refuge plantings may be blocks Bt rootworm fields.

When planting in strips across a For Bt corn hybrids active against apply corn rootworm labeled insec- field, refuges must be at least six corn for rootworm and the refuge

ticides to the ref- rows wide for YieldGard Root- should be similar, e.g., planting uge for control of worm and YieldGard Plus or four dates, irrigation, fertility programs, insect pests (either rows wide for Herculex RW and etc. rootworm beetles Herculex Xtra. It is better to have wider strips, such as 12 consecutive rows.

> Insecticides for control of corn rootworm larvae may be applied to the refuge area. In addition, the refuge must be planted in similar ground as the Bt corn for rootworm (e.g., YieldGard Rootworm, or Herculex RW), that is, if the Bt corn for rootworm is planted in ground that was in corn the previous year, so must the refuge.

General management of the Bt

For Bt corn hybrids that are active against European corn borer, there are other requirements.

On each farm, growers may plant up to 80 percent of their corn acres with Bt corn. At least 20 percent of their corn acres must be planted with non-corn borer Bt corn and treated only as needed with insecticides.

be based on economic thresholds. for Sherman, Cheyenne and Conventional Bt products (liquids Wallace counties with Kansas State or granules) must not be used on the University Research and Extennon-Bt refuge.

Plant non-Bt corn refuge within, adjacent to, or near the Bt cornfields. The refuge must be placed within a half mile of the Bt field, preferably within one fourth mile.

If refuge is established as strips in a field, the strips should be no narrower than four rows. General management of the Bt corn for European corn borer and the refuge should be similar, e.g., planting dates, irrigation, fertility programs, etc.

Jeanne Falk is an area crop pro-Decisions to treat the refuge must duction and economics specialist sion.

Mentally ill more likely to be victims of violence than perpetrators

The news media too often leads viewers and readers to believe that people with mental illness are dangerous and violent and will "go crazy" with little or no provocation. Research and studies, in fact, indicate the opposite, that people with major mental illness are more likely to be victims of violence rather than perpetrators.

A recent study from North Carolina State University and Duke University found that people who suffer from schizophrenia, bipolar disorder or psychosis are more than twice as likely to be attacked, raped or mugged than members of the general population.



tribute to their vulnerability. Other became obsessed with the movie studies indicate that the majority of star Jodie Foster and also tried to people who have a severe mental assassinate a U.S. President. illness are no more violent than anyone else.

lent behavior are extreme behavior. all stronger prea mental illness.

Many people wonder why a depressed woman like Andrea Yates

Crimes like theirs are rare in people with mental illness, but each is an Factors such as youth, gender example of how a psychotic disor-(male), poverty and a history of vio- der or thought disorder can result in

In contrast, many who suffer dictors of vio- from severe mental illness, such lence than having as schizophrenia, delusional disorder or bipolar disorder, experience a great deal of private torment, yet would never commit a violent act.

person with a mental illness, other factors should be taken into consideration. People with major psychotic symptoms, such as paranoia, usually function better on psychiat-

ric medications. If they quit using their medication, in spite of cautions from their therapist, doctor and family, their

behavior will tend to become more others to understand or to imagine. unpredictable. Alcohol or drug But when it is assumed that everyabuse also increases the chance of violence.

If the person's behavior does become threatening or violent, it is usually focused on family members or someone they know well. Thus, sultation and Education Depart-When violence does occur in a it is vital for friends and family who ment. The views expressed here are are aware of their illness to know their own limitations when dealing with the person and call for assistance from a mental health professional or law enforcement if a situation feels unsafe.

> severe mental illness face chal- Kan. 67601. Internet site: lenges daily that are difficult for www.highplainsmentalhealth.com.

one who has a mental illness is a potential criminal, waiting to explode, their burden becomes even heavier

Contributed by Ken Loos, Conthose of the individual writer and should not be considered a replacement for seeking professional help.

Mail questions to High Plains Mental Health Center, Plain Sense, Consultation and Education De-People who are burdened with a *partment*, 208 E. Seventh, Hays,

matters of record

District Traffic

The following fines were paid in the Sherman County District Court: Nov. 6 — Cassandra J. Roach, \$210 for speeding.

Tracy A. Sexton, \$126 for speed-

Nov. 8 - Samantha S. Post-Phillips, \$183 for speeding.

James W. Saylor, \$176 for speed-

Nov. 9 — William M. Fahndrich, \$166 for motor carrier safety rules and regulations and \$122 for not following the regulations of motor carrier act.

Wendell D. Friesen, \$166 for motor carrier safety rules and regulations.

Nov. 10 — Alejandro Gonzalez-Navarro, \$126 for no driver's license, \$99 for speeding, \$10 for no seat belt and \$60 for no child safety belts.

Jose A. Martinez, \$146 for no improper parking. driver's license, \$60 for unlawful use of non-driver's ID card and de-

driver's license and dismissed for improper driving on laned roadway. no liability insurance. Jennifer A. Kreis, \$126 for speed-

ing.

Larry C. Lemieux, \$126 for ing. speeding. Carols J. Rico, \$132 for speeding.

Heidi L. Slat, \$156 for speeding. John D. Thompson, dismissed for no liability insurance.

Nov. 19 — Suresh K. Badam, \$132 for improper parking.

Mark M. Fisher, \$156 for speeding.

Joshua A. Halstead, \$126 for speeding. Krista D. Kringel, \$132 for

speeding. Erich C. Lang, \$126 for speeding.

Ronald J. Lazar, \$144 for improper parking.

Larry R. Louthian, \$126 for speeding.

Amanda N. Medina, \$126 for

Nov. 20 — Timothy R. Bechtle, \$126 for speeding.

David S. Ditgen, \$132 for speeding Patrick J. Drawe, \$120 for speed-

Matthew J. Elmer, \$132 for speeding.

speeding. Michael P. Gerdin, \$132 for speeding.

speeding.

Kealoha A. Hawks, \$96 for ing. speeding.

Nicholas C. Hughes, \$138 for speeding.

Jonathan R. Hunter, \$138 for improper parking and dismissed for no liability insurance.

Steven A. Janner, \$174 for speeding.

John H. Keller II, \$126 for speeding.

Jason S. Kliewer, \$165 for speeding and dismissed for no liability insurance.

Isaias Lares-Holguin, \$150 for ing. speeding.

speeding.

Jaime M. Hertling, \$126 for speeding. Mary L. Hutchcraft, \$120 for

speeding. Matthew A. Rose, \$132 for

David E. Schumacher, \$120 for

Donald E. Wells, \$166 for speed-

Nov. 26 - Bill A. Berry, \$120 for speeding.

Mark R. Cughrean, \$156 for speeding. Gary W. Hamilton Jr., \$120 for

improper parking. Seanna M. Hewitt, \$138 for

speeding.

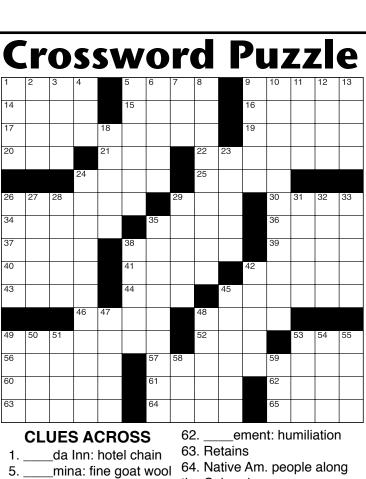
Victor D. Pena-Marino, \$246 for speeding.

Rebecca A. Robbins, \$138 for speeding. Donald S. Tucker, \$96 for speed-

Nov. 27 — Dennis W. Angleton,

Leonie R. Leduc, \$172.48 for \$181 for overweight load.

Roderick A. Nott, \$126 for



Homelessness and alienation would drown her five children or from family and friends often con- why a man like John Hinckley Jr.

Aashley M. Coulter, \$246 for Leonard L. Malone, \$132 for speeding. ferred for no liability insurance. the Colorado 9. Dowager James E. Thomas, \$156 for Briana L. McCormick, \$156 for failure to yield to emergency ve- speeding. 65. Federal job safety law 14. African country Matthew D. McKay, \$156 for speeding. speeding. hicle. 15. Tooth ailment Vani Bheem Rao, \$144 for speed-James S. Deutsch, \$144 for im- speeding. Nov. 28 — Daniel P. Glenn, \$144 **CLUES ACROSS** Donald S. McWhorter, \$138 for for speeding. ing and \$60 for no child safety belts. proper parking. 16. Russian lake **Nov. 11** — Neal J. Burke, \$120 Miricia S. Gnapp, \$150 for im-Nathan E. Medina, \$132 for speeding. 17. Organisms that live on 1. Acknowledgment (abbr.) Emily K. Roenbach-Clar, \$138 for speeding. speeding. proper parking. 2. Jezebel's husband hosts Rogelio Hernandez-Diaz, \$126 Michael L. Mender, \$181 for Kyle H. Jones, \$126 for speeding. for speeding. 3. Hare-like rodent of Argen-19. Put forward for consider-Vicki L. Meis, \$144 for speeding. Kiva Slack, \$183 for speeding. for speeding. overweight load. ation tina Richard D. Mross, \$10 for no seat Salvador Terrones-Herrera, \$126 Jaime Mendoz-Garcia, \$126 for Dejuan D. Stamps, \$132 for 4. DOD programming lan-20. Don't know when yet for no driver's license, \$80 for unspeeding. belt, \$120 for speeding and \$10 for unlawful use of non-driver's ID (abbr.) guage Timothy A. Stecklein, \$138 for no seat belt. lawful use of non-driver's ID card card. 5. Caused hurt 21. Midway between north Darren Lee Nixon, \$102 for speeding. and \$48 for speeding. Marie P. Newchurch, \$132 for 6. Played a role and northeast Nov. 12 — Timothy P. Bervert, Arthur W. Vance, \$144 for imspeeding. speeding. 22. Conceived ideas 7. Reference to a female Stephanie L. Schupbach, \$120 proper parking. Patricia A. Wright, \$126 for \$138 for improper parking. 8. Waivers Jeremiah Bruce Hunter, \$156 for Jonathan W. Wilcox, \$138 for speeding. 24. Contains a plant embryo for speeding. Francisco J. Villar, \$132 for improper parking. Nov. 29 - Sean F. Geist, \$126 for 25. Small mountain lake 9. Suitor improper parking. George N. Northup, \$165 for Nov. 23 — Ajay Bansal, \$138 for improper driving on laned roadway. speeding. 26. Worked the soil 10. Fights on foot with small Nov. 30 — Dave H. Snipes, \$144 speeding. Nov. 21 - Layna L. Bullock, speeding. 29. Dab arms Nov. 13 — Eduardo H. Lopez, Laura L. Burr, \$158 for speeding. \$144 for speeding. for speeding. 30. Weight system for 11. Skillfed in hand movements Raymond L. Ford, \$144 for Laurel D. Wakefield, \$132 for \$126 for no driver's license and Todd A. Burrows, \$144 for imprecious metals 12. Double curve \$300 for no liability insurance. proper parking. speeding. speeding. 13. City electoral district 34. Duck valued for soft Ruben Pulido Jr., \$165 for speed-**Dec. 1** – Emerio Garcia, \$166 Chad S. Wu, \$165 for speeding. Jacob T. Fields, \$144 for speed-18. Facial expression of scorn down Nov. 14 — Douglas R. Case, dising. ing. for motor carrier safety rules and 23. Palm fruits 35. Satisfy to excess Timothy Gardner, \$138 for missed for speeding and no liabil-Mike Quintana Jr., \$130 for regulations. 24. Coaxed 36. Italian capital Rachel A. Kurtz-Phelan, \$132 for ity insurance. speeding. speeding. 26. Mountain summits 37. The African Queen Nov. 15 — Eric A. Wightman, Michael K. Haynes, \$156 for Gregory S. Robbins, \$138 for speeding. adapter James 27. Charles Joseph, Prince de speeding and \$10 for no seat belt. Dec.3 – William J. Acock, \$150 \$150 for speeding. speeding. Nov. 16 — Roger D. Fitzgerald, **Nov. 24** — Young C. Cho, \$165 38. The largest asteroid Eric J. Kearns, \$128 for speeding. for speeding. 28. UK cinema chain Ronald E. Jocheim, \$183 for \$132 for speeding. Gregory L. Moore, \$165 for for speeding. 39. California county Richard Gerard Duggan, \$96 for Kathryn G. Jones, \$138 for speeding. speeding. 29. Cut off outer covering 40. Gordian speeding. Sally E. Pipes, \$156 for improper speeding. John J. McAllister, \$150 for im-41. Brews 31. French city Janice J. Parpart, \$210 for speed-Michon A. Elkins Jr., \$126 for parking. proper parking. 42. Ancient units of measure 32. Shaded colors Sharon D. Pollard, \$210 for im-Russell E. McDonald, dismissed speeding. 33. Leavening agent 43. Posted Wendy S. Smith, \$108 for speedproper parking. Pamela Joyner, \$144 for speedfor motor carrier safety rules and 44. Rural Free Delivery 35. In an egotistical way James L. Rehmer, \$126 for un- ing. regulations ing. 38. Carnival worker (abbr.) Concepcion K. Lewis, \$219 for Dec. 4 — Wildredo Chavez, \$150 Nov. 17 — Teameco M. Echoles, lawful acts with vehicle. 42. Margarines Celestial body \$228 for speeding. Alan W. Taylor, \$150 for speedspeeding. for speeding. 46. God of fire (Hindu) 45. An Asian temple Peter J. Wahalen, \$188 for motor Juan Fuentes-Diaz, \$146 for un-Ernesto Marquez-Rodriguez, ing. Robert Taylor Jr., \$126 for speed-47. Toothed machine part 48. Where Wm. the Con-\$120 for no child safety belts. lawful use of driver's license, \$60 carrier safety rules and regulations. 48. Indonesian island Larry R. Moore, \$126 for im-Dec. 5 - James D. Sealey, disqueror was buried for operating vehicle without ing. Nov. 22 — Anthony G. Bonavia, 49. A trodden track driver's license and \$60 for speedproper parking and dismissed for no missed for no liability insurance. 49. Discussions between Dec. 6 — Saul R. Quijas, \$221 for \$120 for speeding. liability insurance. 50. European owl genus ing enemies Abram G. Racin, \$126 for speed-Stephanie R. Howard, \$138 for Bryan J. Brennan, \$126 for overweight load. 52. Self 51. Coil Dec. 7 – Christopher A. speeding. speeding. ing. 53. A male sheep 53. Bony barbequed meat Kapil M. Koregave, \$201 for Robert B. Brooks, \$132 for im-Thirumalai Raman, \$174 for Carchidi, \$120 for speeding. 56. King of Magadha 54. Nursemaid proper parking. speeding. Dec.8 – Miguel A. Garcia, \$201 speeding. 55. Tortilla and tamale dough 57. Enola Gay destination Ronald P. Roeder Sr., \$86 for no Jessica L. Shopmaker, \$138 for for speeding. Kathryn A. Burleson, \$150 for 58. An informal debt instrument 60. Lays clay child safety belts and \$10 for not speeding. Michael B. Johnson, \$126 for speeding. 61. Something that is carried 59. Vietnamese currency unit changing address or name. Michael V. Burrell, \$126 for im-Joshua C. Wilson, \$126 for failure to yield at stop or yield sign. The crossword puzzle brought to you by: Amanda M. Swearingen, \$210 proper parking. speeding. Dec. 9 — Elizabeth S. Fuller, for speeding. Isidor Corchado-Moya, \$138 for James A. Zackery, dismissed for \$120 for speeding. Nov. 18 – Bockai A. Ahmadu, 1803 Cherry Harry M. Gribbin, \$201 for speeding. no liability insurance. Barclay I. Davis, \$126 for speeddine-in \$144 for speeding. **Nov. 25** — Ava R. Clanton, \$150 speeding. Goodland, Kan. Ryan M. Coleman, \$126 for ing. Genaro M. Hernandez-Reyes, for speeding. carry-out 67735 speeding. Edward K. Dennehy, \$165 for Christy J. Culver, \$126 for speed-\$165 for speeding. delivery 899-3661 Charles F. Emmons, \$126 for speeding and \$180 for failure to ing. Micah A. Hummel, \$166 for moimproper parking. yield to emergency vehicle. Meoung Ham-Hong, \$156 for tor carrier safety rules and regula-Brittany G. Jones, \$126 for no Kenneth R. Dingwell, \$126 for speeding. tions