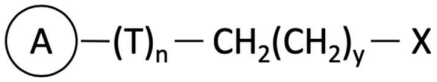
Claims:

1. An herbicidal composition comprising a Compound having the structure



or a salt thereof, wherein:

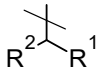
A is five, or six -membered ring comprising from 1 to 2 heteroatoms; wherein each of the heteroatoms is independently selected from the group consisting of N, or S; and wherein one or more of the carbon atoms of the ring are optionally substituted with R_3, R_4, R_6 and R_7; and wherein each of R_3, R_4, R_6 or R_7 is independently selected from and an electron withdrawing group (EWG); and wherein the 1-2 heteroatoms of the ring are N or S, may each be independently substituted with R_3, R_4, R_6 and R_7;

T is selected from the group consisting of sulfonyl, alkoxycarbonyl, and aminocarbonyl;

n is 0 or 1;

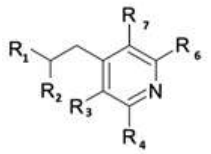
y is 0 to 8;

X is



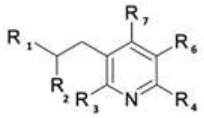
wherein R_1 is selected from the group consisting of is selected from the group consisting of an ester with saturated or non-saturated alcohols with straight, branched, or cyclic chain, ethylene glycol, polyethylene glycol, propylene glycol, and polypropylene glycol,; and wherein R_2 is selected from the group consisting of optionally substituted primary amine, secondary amine, tertiary amine, carboxamide, sulfonamide, and phosphoramide, and at least one agriculturally acceptable carrier.

2. The herbicidal composition of claim 1, wherein A is selected from the group consisting of pyrrole, pyrazole, imidazole, thiophene, pyridine, pyridazine, pyrimidine, pyrazine, thiazine, thienopyridine, thiophene, 1H-pyrazol, 1H-pyrrole, and pyridine.
3. The herbicidal composition of claim 1 or 2, wherein EWG is selected from the group consisting of triflyl (trifluoromethanesulfonyl), trihalide, cyano, sulfonate, nitro, ammonium, quaternary amine, aldehyde, ketone, carboxylic acid, ester, amide, and halide.
4. The herbicidal composition of any one of claims 1 to 3, wherein R_2 is selected from the group consisting of primary, secondary and tertiary amine substituted with a group selected from hydrogen, an aliphatic compound with straight or branched chain, an aliphatic compound with non-aromatic ring, straight or branched-chain alcohol, alcohol with non-aromatic ring, carboxylic acid, phosphoric acid, phosphonic acid, terminal carbon of phosphonate, ethylene glycol, polyethylene glycol, propylene glycol, polypropylene glycol, carboxamide with saturated or non-saturated straight, branched or cyclic chain, sulfonamide, and phosphoramide.
5. The herbicidal composition of any one of claims 1 to 4, comprising the compound having the structure selected from:
a)



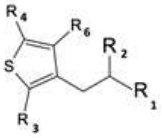
wherein R_1 is $COOCH_3$, $COOC_2H_5$, $COOC_3H_7$; R_2 is NH_2; R_3 and R_7 are independently selected from H, CF_3, CCl_3, Cl, and F; and R_4 and R_6 are independently selected from H, Cl, and Br;

b)



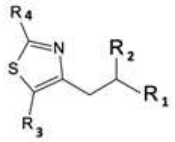
wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, and $COOC_3H_7$; R_2 is NH_2; R_3 and R_4 are independently selected from H, Br and Cl; and R_6 and R_7 are independently selected from H, Cl, NO_2, CF_3, and CCl_3;

c)



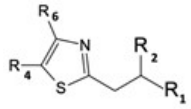
wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, $COOC_4H_9$, $CONHCH_2COOH$, and $COO(CH_2)_3CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, NHCO, and $NH(CH_2)_20(CH_2)_2)OH$; R_3 and R_4 are independently selected from H, Cl, Br, CN, CHF_2, CF_3, CCl_3; and R_6 is H or CF_3;

d)



wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, $COOC_5H_{11}$, and $COO(CH_2)_2(CH_2)_2CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, or $NHCOC_2H_5$; R_3 and R_4 are each independently selected from H, Br, and Cl;

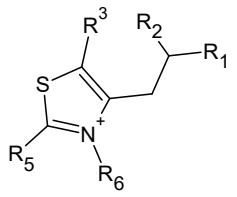
e)



wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, $COOC_5H_{11}$, and $COO(CH_2)_2(CH_2)_2CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, or

$NHCOC_2H_5$; R_4 and R_6 are each independently selected from H, Br, Cl, CF_3, CHF_2, and CCl_3; and

f)

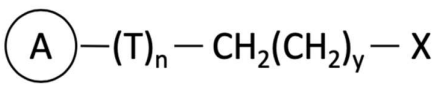


wherein R_1 is selected from COOH, $COOCH_3$, $COOC_2H_5$, $COOC_5H_{11}$, and $COO(CH_2)_2(CH_2)_2CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, or $NHCOC_2H_5$; R_3 and R_5 are independently selected from H, Br, Cl, CF_3, CCl_3; and R_6 is selected from CH_3, and OH.

6. The herbicidal composition of any one of claims 1 to 5, further comprising at least one crop protection agent.
7. The herbicidal composition of claim 6, wherein the at least one crop protection agent is selected from the group consisting of fungicide, insecticide, herbicide, and plant growth regulator.
8. The herbicidal composition of claim 7, wherein the at least one crop protection agent is selected from the group consisting of atrazine, terbuthylazine, (S)-metolachlor, metolachlor, terbutryn, simazine, dimethenamid, (S)-dimethenamid, flufenacet, acetochlor, alachlor, isoxaflutole, isoxachlortole, mesotrione, sulcotrione, metosulam, flumetsulam, pendimethalin, bromoxynil, bentazone, carfentrazone-ethyl, clomazone, nicosulfuron, rimsulfuron, halosulfuron-methyl, metribuzin, flumiclorac-pentyl, prosulfuron, primisulfuron-methyl, dicamba, fluthiacet-methyl, pyridate, 2,4-D, clopyralide, diflufenzopyr, fluroxypyr, MCPA, MCPB, mecoprop (MCPP), metobenzuron, thifensulfuron-methyl, aclonifen, EPTC, glyphosate, glufosinate, sulfosate, cyanazine, propaquizafop, metamitron, pyramin, phenmedipham,

desmedipham, ethofumesate, triasulfuron, chloridazon, lenacil, triallate, fluazifop, sethoxydim, quizalofop, clopyralide, clethodim, oxasulfuron, acifluorfen, benazolin-ethyl, sulfentrazone, chlorimuron-ethyl, cloransulam-methyl, fomesafen, imazamox, imazaquin, imazethapyr, imazapyr, lactofen, fenoxaprop(P-ethyl), thidiazuron, tribufos, trifluralin, dimethachlor, napropamide, quinmerac, metazachlor, carbetamide, dimefuron, propyzamide, ethametsulfuron-methyl, tebutam, fluometuron, prometryn, norflurazon, pyrithiobac-sodium, MSMA, DSMA, diuron, flurochloridone, dithiopyr, thiazopyr, oxyfluorfen, ethalfluralin, clodinafop, amidosulfuron, diclofop-methyl, diflufenican, ethoxysulfuron, fentrazamide, flazasulfuron, florasulam, fluazolate, flucarbazone, flupyrsulfuron-methyl sodium, flurtamone, iodosulfuron, isoproturon, chlortoluron, chlorsulfuron, metsulfuron-methyl, sulfosulfuron, tribenuron-methyl, 2,4-DB, 2,4-DP, bifenox, flamprop-M, imazamethabenz-methyl, ioxynil, tralkoxydim, fluoroglycofen-ethyl, methabenzthiazuron, isoxaben, prosulfocarb, difenzoquat-metilsulfate, pretilachlor, cinosulfuron, fenclorim, bensulfuron-methyl, imazosulfuron, pyrazosulfuron-ethyl, azimsulfuron, esprocarb, mefenacet, molinate, propanil, pyrazolate, cyhalofop-butyl, bispyribac-sodium, pyriminobac-methyl, cafenstrole, oxadiargyl, oxadiazon, bromobutide, MY-100, dymron, NB 061, MK243, HW-52, AC 014, ametryn, hexazinone, asulam, azafenidin, tebuthiuron, ethametsulfuron-methyl, or a combination thereof.

9. A method of controlling undesired plant growth comprising applying to the locus of said undesired plant growth a herbicidally effective amount of a compound having the structure



or a salt thereof, wherein:

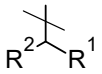
A is five, or six -membered ring comprising one or more heteroatoms; wherein each of the heteroatoms is independently selected from the group consisting of N, and S; and wherein one or more of the carbon atoms of the ring is optionally substituted with R_3, R_4, R_6 and R_7; and wherein each of R_3, R_4, R_6 or R_7 is independently selected from and an electron withdrawing group (EWG); and wherein, when one or more heteroatoms of the ring is N or S, each independently is optionally substituted with R_3, R_4, R_6 and R_7;

T is selected from the group consisting of sulfonyl, alkoxycarbonyl, and aminocarbonyl;

n is 0 or 1;

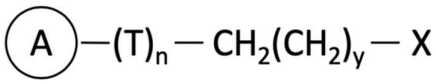
y is 0 to 8;

X is



wherein R_1 is selected from the group consisting of an ester with saturated or non-saturated alcohols, straight, branched, or cyclic chain, ethylene glycol, polyethylene glycol, propylene glycol, and polypropylene glycol; and wherein R_2 is selected from the group consisting of optionally substituted primary amine, secondary amine, tertiary amine, carboxamide, sulfonamide, and phosphoramide.

10. A method of controlling undesired plant growth, comprising applying to the locus of the undesired plant growth an agricultural composition comprising a compound having the structure



or a salt thereof, wherein:

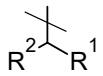
A is five, or six-membered ring comprising one or more heteroatoms; wherein each of the heteroatoms is independently selected from the group consisting of N, and S,; and wherein one or more of the carbon atoms of the ring is optionally substituted with R_3, R_4, R_6 and R_7; and wherein each of R_3, R_4, R_6 or R_7 is independently selected from and an electron withdrawing group (EWG) ; and wherein, when one or more heteroatoms of the ring is N or S, each independently is optionally substituted with R_3, R_4, R_6 and R_7;

T is selected from the group consisting of sulfonyl, alkoxycarbonyl, and aminocarbonyl;

n is 0 or 1;

y is 0 to 8;

X is

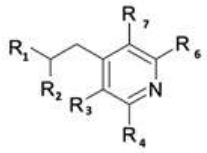


wherein R_1 is selected from the group consisting of carboxyl group, carbamoyl group, ester with saturated or non-saturated alcohols straight, branched, or cyclic chain, ethylene glycol, polyethylene glycol, propylene glycol, and polypropylene glycol; and wherein R_2 is selected from the group consisting of optionally substituted primary amine, secondary amine, tertiary amine, carboxamide, sulfonamide, and phosphoramide.

11. The method of claim 10, wherein A is selected from the group consisting of pyrrole, pyrazole, imidazole, thiophene, thiazole, pyridine, pyridazine, pyrimidine, pyrazine, thiazine, thienopyridine, thiophene, 1H-pyrrole, 1,3-thiazole, and pyridine.

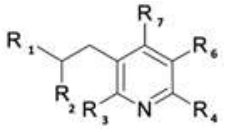
12. The method of claim 10 or 11, wherein EWG is selected from the group consisting of triflyl (trifluoromethanesulfonyl), trihalide, cyano, sulfonate, nitro, ammonium, quaternary amine, aldehyde, ketone, carboxylic acid, ester, amide, and halide.
13. The method of any one of claims 10 to 12, wherein R_2 is selected from the group consisting of primary, secondary and tertiary amine substituted with a group selected from hydrogen, an aliphatic compound with straight or branched chain, an aliphatic compound with non-aromatic ring, straight or branched-chain alcohol, alcohol with non-aromatic ring, phosphoric acid, phosphonic acid, terminal carbon of phosphonate, ethylene glycol, polyethylene glycol, propylene glycol,polypropylene glycol, carboxamide with saturated or non-saturated straight, branched or cyclic chain, sulfonamide, and phosphoramide.
14. The method of any one of claims 10 to 13 comprising applying to the locus of the undesired plant growth a agricultural composition comprising the compound having the structure selected from:

a)



wherein R_1 is $COOCH_3$, $COOC_2H_5$, $COOC_3H_7$; R_2 is NH_2; R_3 and R_7 are independently selected from H, CF_3, CCl_3, Cl, and F; and R_4 and R_6 are independently selected from H, Cl, and Br;

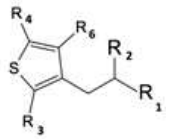
b)



wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, and $COOC_3H_7$; R_2 is NH_2; R_3 and R_4 are independently selected from H, Br and

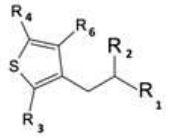
Cl; and R_6 and R_7 are independently selected from H, Cl, NO_2, CF_3, and CCl_3;

c)



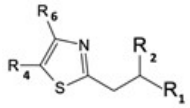
wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, $COOC_4H_9$, $CONHCH_2COOH$, and $COO(CH_2)_3CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, NHCO, and $NH(CH_2)_20(CH_2)_2)OH$; R_3 and R4 are independently selected from H, Cl, Br, CN, CHF_2, CF_3, CCl_3;and R_6 is H or CF_3;

d)



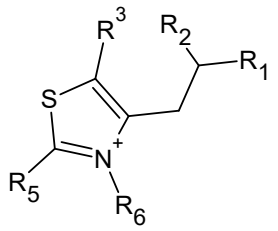
wherein R_1 is selected from COOH, $COOCH_3$, $COOC_2H_5$, $COOC_5H_{11}$, and $COO(CH_2)_2(CH_2)_2CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, or $NHCOC_2H_5$; R_3 and R_4 are each independently selected from H, Br, and Cl;

e)



wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, $COOC_5H_{11}$, and $COO(CH_2)_2(CH_2)_2CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, or $NHCOC_2H_5$; R_4 and R_6 are each independently selected from H, Br, Cl, CF_3, CHF_2, and CCl_3; and

f)

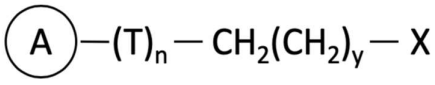


wherein R_1 is selected from $COOCH_3$, $COOC_2H_5$, $COOC_5H_{11}$, and $COO(CH_2)_2(CH_2)_2CH_3$; R_2 is selected from NH_2, $NHCOCH_3$, or $NHCOC_2H_5$; R_3 and R_5 are independently selected from H, Br, Cl, CF_3, CCl_3; and R_6 is selected from CH_3, and OH.

15. The method of any one of claims 10 to 1614 further comprising applying to the locus of the undesired plant growth at least one crop protection agent.
16. The method of claim 15, wherein the at least one crop protection agent is selected from the group consisting of herbicides, fungicides, insecticides and plant growth regulators.
17. The method of claim 15, wherein the at least one crop protection agent is amino acid synthesis inhibitor herbicide selected from the group consisting of sulfonylurea herbicide, imidazolinone herbicide, sulfonamide herbicide, amino acid derivatives, imazamox, imazapic, imazethapyr, imazaquin, imazapyr and imazamethabenz, Chlorimuron, Primisulfuron, Thifensulfuron, Triasulfuron, Nicosulfuron, Metsulfuron, Tribenuron, Rimsulfuron, Triflusulfuron, and glyphosate.
18. The method of claim 15, wherein the at least one crop protection agent is a plant growth regulator selected from the group consisting of dicamba, 2,4-D, clopyralid and fluroxypyr.

19. A method of controlling undesired plant growth comprising applying to the locus of the undesired plant growth:

a. A first herbicide having the structure



or a salt thereof, wherein:

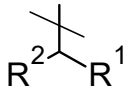
A is five, or six -membered ring comprising one or more heteroatoms; wherein each of the heteroatoms is independently selected from the group consisting of N, and S; and wherein one or more of the carbon atoms of the ring is optionally substituted with R_3, R_4, R_6 and R_7; and wherein each of R_3, R_4, R_6 or R_7 is independently selected from and an electron withdrawing group (EWG); and wherein, when one or more heteroatoms of the ring is N or S, each independently is optionally substituted with R_3, R_4, R_6 and R_7;

T is selected from the group consisting of sulfonyl, alkoxycarbonyl, and aminocarbonyl;

n is 0 or 1;

y is 0 to 8;

X is



wherein R_1 is selected from the group consisting of and ester with saturated or non-saturated alcohols straight, branched, or cyclic chain, ethylene glycol, polyethylene glycol, propylene glycol, and polypropylene glycol; and wherein R_2 is selected from the group consisting of optionally substituted primary amine, secondary amine, tertiary amine, carboxamide, sulfonamide, and phosphoramide; and

b. A second herbicide, to effectively control the undesired plant growth.

20. The method of claim 19, wherein the second herbicide is amino acid synthesis inhibitor herbicide selected from the group consisting of sulfonylurea herbicide, imidazolinone herbicide, sulfonamide herbicide, amino acid derivatives, imazamox, imazapic, imazethapyr, imazaquin, imazapyr and imazamethabenz, Chlorimuron, Primisulfuron, Thifensulfuron, Triasulfuron, Nicosulfuron, Metsulfuron, Tribenuron, Rimsulfuron, Triflusulfuron, and glyphosate.

21. The method of claim 19, wherein the second herbicide is selected from the group consisting of atrazine, terbuthylazine, (S)-metolachlor, metolachlor, terbutryn, simazine, dimethenamid, (S)-dimethenamid, flufenacet, acetochlor, alachlor, isoxaflutole, isoxachlortole, mesotrione, sulcotrione, metosulam, flumetsulam, pendimethalin, bromoxynil, bentazone, carfentrazone-ethyl, clomazone, nicosulfuron, rimsulfuron, halosulfuron-methyl, metribuzin, flumiclorac-pentyl, prosulfuron, primisulfuron-methyl, dicamba, fluthiacet-methyl, pyridate, 2,4-D, clopyralide, diflufenzopyr, fluroxypyr, MCPA, MCPB, mecoprop (MCPP), metobenzuron, thifensulfuron-methyl, aclonifen, EPTC, glyphosate, glufosinate, sulfosate, cyanazine, propaquizafop, metamitron, pyramin, phenmedipham, desmedipham, ethofumesate, triasulfuron, chloridazon, lenacil, triallate, fluazifop, sethoxydim, quizalofop, clopyralide, clethodim, oxasulfuron, acifluorfen, benazolin-ethyl, sulfentrazone, chlorimuron-ethyl, cloransulam-methyl, fomesafen, imazamox, imazaquin, imazethapyr, imazapyr, lactofen, fenoxaprop(P-ethyl), thidiazuron, tribufos, trifluralin, dimethachlor, napropamide, quinmerac, metazachlor, carbetamide, dimefuron, propyzamide, ethametsulfuron-methyl, tebutam,

fluometuron, prometryn, norflurazon, pyrithiobac-sodium, MSMA, DSMA, diuron, flurochloridone, dithiopyr, thiazopyr, oxyfluorfen, ethalfluralin, clodinafop, amidosulfuron, diclofop-methyl, diflufenican, ethoxysulfuron, fentrazamide, flazasulfuron, florasulam, fluazolate, flucarbazone, flupyrsulfuron-methyl sodium, flurtamone, iodosulfuron, isoproturon, chlortoluron, chlorsulfuron, metsulfuron-methyl, sulfosulfuron, tribenuron-methyl, 2,4-DB, 2,4-DP, bifenox, flamprop-M, imazamethabenz-methyl, ioxynil, tralkoxydim, fluoroglycofen-ethyl, methabenzthiazuron, isoxaben, prosulfocarb, difenzoquat-metilsulfate, pretilachlor, cinosulfuron, fenclorim, bensulfuron-methyl, imazosulfuron, pyrazosulfuron-ethyl, azimsulfuron, esprocarb, mefenacet, molinate, propanil, pyrazolate, cyhalofop-butyl, bispyribac-sodium, pyriminobac-methyl, cafenstrole, oxadiargyl, oxadiazon, bromobutide, MY-100, dymron, NB 061, MK243, HW-52, AC 014, ametryn, hexazinone, asulam, azafenidin, tebuthiuron, and ethametsulfuron-methyl.

22. The method of any one of claims 19 to 21 further comprising applying a third herbicide or a plant growth regulator.

23. The herbicidal composition of claim 1, comprising the compound selected from the group consisting of 2-amino-3-(thiophen-2-yl)propanoic acid; 2-amino-3-(thiophen-3-yl)propanoic acid; 2-amino-3-[(thiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-[(4-fluorothiophene-3-sulfonyl)amino]propanoic acid; methyl 2-amino-3-[(thiophene-3-sulfonyl)amino]propanoate; pentyl 2-amino-3-[(thiophene-3-sulfonyl)amino]propanoate; 3-(5-cyano-3-thienyl)alanine; 2-amino-3-[4-(trifluoromethyl)thiophen-2-yl]propanoic acid; 3-amino-3-(4-bromothiophen-3-yl)propanoic acid; 2-amino-3-(2,4,5-trimethylthiophen-3-yl)propanoic acid; butyl 2-amino-3-(thiophen-3-yl)propanoate; 2-amino-3-[(2,5-

dichlorothiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-[(2,5-dichloro-4-methylthiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-(2-chlorothiophen-3-yl)propanoic acid; 2-amino-3-(2,5-dichlorothiophen-3-yl)propanoic acid; 2-amino-3-(5-chlorothiophen-3-yl)propanoic acid; 2-amino-3-(2,5-dihydro-1,3-thiazol-4-yl)propanoic acid; 2-amino-3-(1,3-thiazol-5-yl)propanoic acid; 2-amino-3-{[2,5-dichloro-4-(trifluoromethyl)thiophene-3-sulfonyl]amino}propanoic acid; 2-amino-3-(2-amino-1,3-thiazol-4-yl)propanoic acid; methyl 2-amino-3-[(2,5-dichlorothiophene-3-sulfonyl)amino]propanoate; ethyl 2-amino-3-[(2,5-dichlorothiophene-3-sulfonyl)amino]propanoate;2-propoxyethyl-2-amino-3-[(2,5-dichlorothiophene-3-sulfonyl)amino]propanoate; [2-(carboxyamino)-3-ethoxy-3-oxopropyl](2,5-dichlorothiophene-3-sulfonyl)carbamic acid; 2-amino-3-(2,5-dichloro-1,3-thiazol-4-yl)propanoic acid; 2-amino-3-(5-chloro-1,3-thiazol-4-yl)propanoic acid; 2-amino-3-(1,2,5-thiadiazol-3-yl)propanoic acid; 2-amino-3-(1,2,4-thiadiazol-5-yl)propanoic acid; 2-amino-3-(furan-3-yl)propanoic acid; 2-amino-3-(1,3-oxazol-4-yl)propanoic acid; 2-formamido-3-(thiophen-3-yl)propanoic acid; methyl 2-amino-3-(thiophen-3-yl)propanoate; ethyl 2-amino-3-(thiophen-3-yl)propanoate; [2-amino-3-(thiophen-3-yl)propanamido]acetic acid; 2-amino-N-[2-(2-hydroxyethoxy)ethyl]-3-(thiophen-3-yl)propenamide; ethyl 2-butanamido-3-(dichloro-1,3-thiazol-4-yl)propanoate; 2-butoxyethyl 2-acetamido-3-(2,5-dichloro-1,3-thiazol-4-yl)propanoate; 2-amino-3-(2,5-dibromothiophen-3-yl)propanoic acid; 2-amino-3-(5-nitrothiophen-3-yl)propanoic acid; butyl 3-(dichloro-1,3-thiazol-4-yl)-2-acetamidopropanoate; 2-ethoxyethyl 3-(dichloro-1,3-thiazol-4-yl)-2-acetamidopropanoate; 2-amino-3-[5-(trifluoromethyl)thiophen-3-yl]propanoic acid; (2S)-2-

amino-3-(3,5-dioxo-1,2,4-oxadiazolidin-2-yl)propanoic acid; 2-amino-3-[(2,5-dibromothiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-(5-chloro-2-methylthiophen-3-yl)propanoic acid; 2-amino-3-(2-bromothiophen-3-yl)propanoic acid; 2-amino-3-(1,1-dioxo-1l6-thiolan-3-yl)propanoic acid; 2-amino-3-(thiolan-3-yl)propanoic acid; [2-amino-2-(thiophen-3-yl)ethyl]phosphonic acid; 2-amino-3-(2,5-dimethyl-1,1-dioxo-1H-1l6-thiophen-3-yl)propanoic acid; 3-(2,5-dioxo-2,5-dihydrothiophen-3-yl)-2-(phosphonoamino)propanoic acid; 2-amino-3-[4-(trifluoromethyl)thiophen-3-yl]propanoic acid; ethyl 2-acetamido-3-(2,5-dichloro-1,3-thiazol-4-yl)propanoate; methyl 2-amino-3-(2,5-dichlorothiophen-3-yl)propanoate; ethyl 2-amino-3-(2,5-dichlorothiophen-3-yl)propanoate; 2-(2-methoxyethoxy)ethyl-2-amino-3-(thiophen-3-yl)propanoate; ethyl 2-acetamido-3-(thiophen-3-yl)propanoate; ethyl 3-(2,5-dichlorothiophen-3-yl)-2-acetamidopropanoate; ethyl 3-(2,5-dichlorofuran-3-yl)-2-acetamidopropanoate; propyl 2-amino-3-(2,5-dichlorofuran-3-yl)propanoate; 4-(2-acetamido-3-ethoxy-3-oxopropyl)-3-methyl-1,3-thiazol-3-ium chloride; 2-(2-ethoxyethoxy)ethyl 3-(2,5-dichlorothiophen-3-yl)-2-acetamidopropanoate; pentyl 2-acetamido-3-(1,3,4-oxadiazol-2-yl)propanoate; ethyl-2-amino-3-[(2,5-dibromothiophene-3-sulfonyl)amino]propanoate; butyl 3-(5-chloro-1,2,4-thiadiazol-3-yl)-2-acetamidopropanoate; 2-amino-3-(1H-indazol-3-yl)propanoic acid hydrochloride[HCl]; 2-amino-3-(pyridazin-4-yl)propanoic acid; 2-amino-3-(pyridin-4-yl)propanoic acid; 2-amino-3-(pyridin-3-yl)propanoic acid dihydrochloride 3-(5-Hydroxy-3-pyridinyl)alanine; 2-amino-3-(5-methylpyridin-3-yl)propanoic acid; 2-amino-3-(4-aminopyridin-2-yl)propanoic acid; 2-amino-3-(2-aminopyridin-4-yl)propanoic acid; 2-amino-3-(6-aminopyridin-2-yl)propanoic acid; 2-amino-3-(5-

aminopyridin-3-yl)propanoic acid; 2-amino-3-(5-sulfanylpyridin-3-yl)propanoic acid; 2-amino-3-(2-sulfanylpyridin-4-yl)propanoic acid; 2-amino-3-(pyrimidin-5-yl)propanoic acid; 2-amino-3-(4-amino-6-chloropyrimidin-2-yl)propanoic acid; 2-amino-3-(pyrimidin-2-yl)propanoic acid dihydrochloride; 2-amino-3-(4-hydroxypyrimidin-2-yl)propanoic acid; 2-amino-3-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-5-yl)propanoic acid; 2-amino-3-(pyrazin-2-yl)propanoic acid; 2-amino-3-(5-chloropyridin-3-yl)propanoic acid; 2-amino-3-(2,5-dichloropyridin-3-yl)propanoic acid; 2-amino-3-(pyrimidin-4-yl)propanoic acid; 2-amino-3-(5-fluoropyridin-3-yl)propanoic acid; 2-amino-3-(6-chloropyridin-3-yl)propanoic acid; 2-amino-3-(2,6-dichloropyridin-4-yl)propanoic acid; 2-amino-3-(3,5-dichloropyridin-4-yl)propanoic acid; 2-amino-3-(3,5-difluoropyridin-4-yl)propanoic acid; 2-amino-3-[2-(dimethylamino)pyridin-4-yl]propanoic acid; 2-amino-3-(2-bromopyridin-4-yl)propanoic acid; 2-amino-3-(5,6-dibromopyridin-3-yl)propanoic acid; 2-amino-3-(2,6-dibromopyridin-4-yl)propanoic acid; 2-amino-3-(2,3-dibromopyridin-4-yl)propanoic acid; 2-amino-3-[5-(trifluoromethyl)pyridin-3-yl]propanoic acid; 2-amino-3-(5,6-dichloropyridin-3-yl)propanoic acid; 2-amino-3-(2-oxo-1,2-dihydropyridin-4-yl)propanoic acid; 2-amino-3-[4-(dimethylamino)pyridin-3-yl]propanoic acid; 2-amino-3-(2-oxo-1,2-dihydropyridin-3-yl)propanoic acid; 2-amino-3-(6-oxo-1,6-dihydropyrimidin-4-yl)propanoic acid; 2-amino-3-(6-oxo-1,6-dihydropyrimidin-5-yl)propanoic acid; 2-amino-3-(6-oxo-1,6-dihydropyridin-3-yl)propanoic acid; 2-amino-3-(2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-yl)propanoic acid; 2-amino-3-(6-oxo-2-sulfanyl-1,6-dihydropyrimidin-4-yl)propanoic acid; propyl 2-amino-3-(2-bromopyridin-4-yl)propanoate; 2-amino-3-(2-bromo-3,5-difluoropyridin-4-yl)propanoic acid; propyl 2-amino-3-(2-bromo-3,5-

difluoropyridin-4-yl)propanoate; 2-amino-3-[(2-bromopyridine-4-sulfonyl)amino]propanoic acid; propyl 2-amino-3-[(2-bromopyridine-4-sulfonyl)amino]propanoate; ethyl 2-amino-3-(5,6-dibromopyridin-3-yl)propanoate; ethyl 2-amino-3-(2,3-dibromopyridin-4-yl)propanoate acid; 2-amino-3-[2-chloro-5-(trifluoromethyl)pyridin-3-yl]propanoic acid; 2-amino-3-(2-amino-6-oxo-1,6-dihydropyrimidin-5-yl)propanoic acid; 2-amino-3-(6-hydroxy-5-nitropyridin-3-yl)propanoic acid; methyl 2-amino-3-(2-bromopyridin-4-yl)propanoate; 3-(2-amino-2-carboxyethyl)-1-methylpyridin-1-ium; 3-(2-amino-2-carboxyethyl)-1-hydroxypyridin-1-ium; 2-amino-3-(4-amino-6-hydroxy-2-methylpyrimidin-5-yl)propanoic acid; methyl 2-amino-3-(2,6-dibromopyridin-4-yl)propanoate; ethyl 3-(6-bromopyridin-3-yl)-2-acetamidopropanoate; methyl 3-(6-bromopyridin-3-yl)-2-acetamidopropanoate; ethyl-2-acetamido-3-(2-methoxypyrimidin-4-yl)propanoate; 2-(2-methoxyethoxy)ethyl 2-amino-3-(6-bromopyridin-3-yl)propanoate; 2-(2-ethoxyethoxy)ethyl 2-amino-3-(6-bromopyridin-3-yl)propanoate; 5-(2-amino-2-carboxyethyl)-1-methylpyrimidin-1-ium; 2-amino-3-[2-(trifluoromethyl)pyridin-4-yl]propanoic acid hydrochloride[HCl]; ethyl 3-[(2-bromopyridin-4-yl)oxy]-2-acetamidopropanoate; ethyl 2-acetamido-3-(pyridin-4-yloxy)propanoate; 2-amino-4-(1H-pyrrol-3-yl)butanoic acid; 2-amino-3-(1H-pyrrol-2-yl)propanoic acid; 2-amino-3-(1H-pyrrol-3-yl)propanoic acid; 2-amino-3-(4H-1,2,4-triazol-3-yl)propanoic acid; (2S)-2-hydroxy-3-(1H-imidazol-4-yl)propanoic acid; ethyl 2-{[(benzyloxy)carbonyl]amino}-3-(1H-1,2,4-triazol-3-yl)propanoate; 2-amino-3-(4-methyl-4H-1,2,4-triazol-3-yl)propanoic acid; 2-amino-3-(1-methyl-1H-1,2,4-triazol-5-yl)propanoic acid dihydrochloride; 2-amino-3-(1-methyl-1H-1,2,3-triazol-4-yl)propanoic acid hydrochloride; 2-amino-3-(2-methyl-2H-1,2,3,4-tetrazol-5-

yl)propanoic acid hydrochloride; 2-amino-3-(dimethyl-4H-1,2,4-triazol-3-yl)propanoic acid hydrochloride; (2S)-2-amino-3-[5-(trifluoromethyl)-1H-pyrazol-4-yl]propanoic acid; and 2-(2-butoxyethoxy)ethyl 2-amino-3-(2H-1,2,3-triazol-4-yl)propanoate, or an agriculturally acceptable salt thereof.

24. A method of controlling undesired plant growth comprising applying to the locus of the undesired plant growth a compound or a salt thereof, selected from the group consisting of: 2-amino-3-(thiophen-2-yl)propanoic acid; 2-amino-3-(thiophen-3-yl)propanoic acid; 2-amino-3-[(thiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-[(4-fluorothiophene-3-sulfonyl)amino]propanoic acid; methyl 2-amino-3-[(thiophene-3-sulfonyl)amino]propanoate; pentyl 2-amino-3-[(thiophene-3-sulfonyl)amino]propanoate; 3-(5-cyano-3-thienyl)alanine; 2-amino-3-[4-(trifluoromethyl)thiophen-2-yl]propanoic acid; 3-amino-3-(4-bromothiophen-3-yl)propanoic acid; 2-amino-3-(2,4,5-trimethylthiophen-3-yl)propanoic acid; butyl 2-amino-3-(thiophen-3-yl)propanoate; 2-amino-3-[(2,5-dichlorothiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-[(2,5-dichloro-4-methylthiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-(2-chlorothiophen-3-yl)propanoic acid; 2-amino-3-(2,5-dichlorothiophen-3-yl)propanoic acid; 2-amino-3-(5-chlorothiophen-3-yl)propanoic acid; 2-amino-3-(2,5-dihydro-1,3-thiazol-4-yl)propanoic acid; 2-amino-3-(1,3-thiazol-5-yl)propanoic acid; 2-amino-3-{[2,5-dichloro-4-(trifluoromethyl)thiophene-3-sulfonyl]amino}propanoic acid; 2-amino-3-(2-amino-1,3-thiazol-4-yl)propanoic acid; methyl 2-amino-3-[(2,5-dichlorothiophene-3-sulfonyl)amino]propanoate; ethyl 2-amino-3-[(2,5-dichlorothiophene-3-sulfonyl)amino]propanoate;2-propoxyethyl-2-amino-3-[(2,5-dichlorothiophene-3-

sulfonyl)amino]propanoate; [2-(carboxyamino)-3-ethoxy-3-oxopropyl](2,5-dichlorothiophene-3-sulfonyl)carbamic acid; 2-amino-3-(2,5-dichloro-1,3-thiazol-4-yl)propanoic acid; 2-amino-3-(5-chloro-1,3-thiazol-4-yl)propanoic acid; 2-amino-3-(1,2,5-thiadiazol-3-yl)propanoic acid; 2-amino-3-(1,2,4-thiadiazol-5-yl)propanoic acid; 2-amino-3-(furan-3-yl)propanoic acid; 2-amino-3-(1,3-oxazol-4-yl)propanoic acid; 2-formamido-3-(thiophen-3-yl)propanoic acid; methyl 2-amino-3-(thiophen-3-yl)propanoate; ethyl 2-amino-3-(thiophen-3-yl)propanoate; [2-amino-3-(thiophen-3-yl)propanamido]acetic acid; 2-amino-N-[2-(2-hydroxyethoxy)ethyl]-3-(thiophen-3-yl)propenamide; ethyl 2-butanamido-3-(dichloro-1,3-thiazol-4-yl)propanoate; 2-butoxyethyl 2-acetamido-3-(2,5-dichloro-1,3-thiazol-4-yl)propanoate; 2-amino-3-(2,5-dibromothiophen-3-yl)propanoic acid; 2-amino-3-(5-nitrothiophen-3-yl)propanoic acid; butyl 3-(dichloro-1,3-thiazol-4-yl)-2-acetamidopropanoate; 2-ethoxyethyl 3-(dichloro-1,3-thiazol-4-yl)-2-acetamidopropanoate; 2-amino-3-[5-(trifluoromethyl)thiophen-3-yl]propanoic acid; (2S)-2-amino-3-(3,5-dioxo-1,2,4-oxadiazolidin-2-yl)propanoic acid; 2-amino-3-[(2,5-dibromothiophene-3-sulfonyl)amino]propanoic acid; 2-amino-3-(5-chloro-2-methylthiophen-3-yl)propanoic acid; 2-amino-3-(2-bromothiophen-3-yl)propanoic acid; 2-amino-3-(1,1-dioxo-1l6-thiolan-3-yl)propanoic acid; 2-amino-3-(thiolan-3-yl)propanoic acid; [2-amino-2-(thiophen-3-yl)ethyl]phosphonic acid; 2-amino-3-(2,5-dimethyl-1,1-dioxo-1H-1l6-thiophen-3-yl)propanoic acid; 3-(2,5-dioxo-2,5-dihydrothiophen-3-yl)-2-(phosphonoamino)propanoic acid; 2-amino-3-[4-(trifluoromethyl)thiophen-3-yl]propanoic acid; ethyl 2-acetamido-3-(2,5-dichloro-1,3-thiazol-4-yl)propanoate; methyl 2-amino-3-(2,5-dichlorothiophen-3-yl)propanoate; ethyl 2-amino-3-(2,5-

dichlorothiophen-3-yl)propanoate; 2-(2-methoxyethoxy)ethyl-2-amino-3-(thiophen-3-yl)propanoate; ethyl 2-acetamido-3-(thiophen-3-yl)propanoate; ethyl 3-(2,5-dichlorothiophen-3-yl)-2-acetamidopropanoate; ethyl 3-(2,5-dichlorofuran-3-yl)-2-acetamidopropanoate; propyl 2-amino-3-(2,5-dichlorofuran-3-yl)propanoate; 4-(2-acetamido-3-ethoxy-3-oxopropyl)-3-methyl-1,3-thiazol-3-ium chloride; 2-(2-ethoxyethoxy)ethyl 3-(2,5-dichlorothiophen-3-yl)-2-acetamidopropanoate; pentyl 2-acetamido-3-(1,3,4-oxadiazol-2-yl)propanoate; ethyl-2-amino-3-[(2,5-dibromothiophene-3-sulfonyl)amino]propanoate; butyl 3-(5-chloro-1,2,4-thiadiazol-3-yl)-2-acetamidopropanoate; 2-amino-3-(1H-indazol-3-yl)propanoic acid hydrochloride[HCl]; 2-amino-3-(pyridazin-4-yl)propanoic acid; 2-amino-3-(pyridin-4-yl)propanoic acid; 2-amino-3-(pyridin-3-yl)propanoic acid dihydrochloride

3-(5-Hydroxy-3-pyridinyl)alanine; 2-amino-3-(5-methylpyridin-3-yl)propanoic acid; 2-amino-3-(4-aminopyridin-2-yl)propanoic acid; 2-amino-3-(2-aminopyridin-4-yl)propanoic acid; 2-amino-3-(6-aminopyridin-2-yl)propanoic acid; 2-amino-3-(5-aminopyridin-3-yl)propanoic acid; 2-amino-3-(5-sulfanylpyridin-3-yl)propanoic acid; 2-amino-3-(2-sulfanylpyridin-4-yl)propanoic acid; 2-amino-3-(pyrimidin-5-yl)propanoic acid; 2-amino-3-(4-amino-6-chloropyrimidin-2-yl)propanoic acid; 2-amino-3-(pyrimidin-2-yl)propanoic acid dihydrochloride; 2-amino-3-(4-hydroxypyrimidin-2-yl)propanoic acid; 2-amino-3-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-5-yl)propanoic acid; 2-amino-3-(pyrazin-2-yl)propanoic acid; 2-amino-3-(5-chloropyridin-3-yl)propanoic acid; 2-amino-3-(2,5-dichloropyridin-3-yl)propanoic acid; 2-amino-3-(pyrimidin-4-yl)propanoic acid; 2-amino-3-(5-fluoropyridin-3-yl)propanoic acid; 2-amino-3-(6-

chloropyridin-3-yl)propanoic acid; 2-amino-3-(2,6-dichloropyridin-4-yl)propanoic acid; 2-amino-3-(3,5-dichloropyridin-4-yl)propanoic acid; 2-amino-3-(3,5-difluoropyridin-4-yl)propanoic acid; 2-amino-3-[2-(dimethylamino)pyridin-4-yl]propanoic acid; 2-amino-3-(2-bromopyridin-4-yl)propanoic acid; 2-amino-3-(5,6-dibromopyridin-3-yl)propanoic acid; 2-amino-3-(2,6-dibromopyridin-4-yl)propanoic acid; 2-amino-3-(2,3-dibromopyridin-4-yl)propanoic acid; 2-amino-3-[5-(trifluoromethyl)pyridin-3-yl]propanoic acid; 2-amino-3-(5,6-dichloropyridin-3-yl)propanoic acid; 2-amino-3-(2-oxo-1,2-dihydropyridin-4-yl)propanoic acid; 2-amino-3-[4-(dimethylamino)pyridin-3-yl]propanoic acid; 2-amino-3-(2-oxo-1,2-dihydropyridin-3-yl)propanoic acid; 2-amino-3-(6-oxo-1,6-dihydropyrimidin-4-yl)propanoic acid; 2-amino-3-(6-oxo-1,6-dihydropyrimidin-5-yl)propanoic acid; 2-amino-3-(6-oxo-1,6-dihydropyridin-3-yl)propanoic acid; 2-amino-3-(2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-yl)propanoic acid; 2-amino-3-(6-oxo-2-sulfanyl-1,6-dihydropyrimidin-4-yl)propanoic acid; propyl 2-amino-3-(2-bromopyridin-4-yl)propanoate; 2-amino-3-(2-bromo-3,5-difluoropyridin-4-yl)propanoic acid; propyl 2-amino-3-(2-bromo-3,5-difluoropyridin-4-yl)propanoate; 2-amino-3-[(2-bromopyridine-4-sulfonyl)amino]propanoic acid; propyl 2-amino-3-[(2-bromopyridine-4-sulfonyl)amino]propanoate; ethyl 2-amino-3-(5,6-dibromopyridin-3-yl)propanoate; ethyl 2-amino-3-(2,3-dibromopyridin-4-yl)propanoate acid; 2-amino-3-[2-chloro-5-(trifluoromethyl)pyridin-3-yl]propanoic acid; 2-amino-3-(2-amino-6-oxo-1,6-dihydropyrimidin-5-yl)propanoic acid; 2-amino-3-(6-hydroxy-5-nitropyridin-3-yl)propanoic acid; methyl 2-amino-3-(2-bromopyridin-4-yl)propanoate; 3-(2-amino-2-

carboxyethyl)-1-methylpyridin-1-ium; 3-(2-amino-2-carboxyethyl)-1-hydroxypyridin-1-ium; 2-amino-3-(4-amino-6-hydroxy-2-methylpyrimidin-5-yl)propanoic acid; methyl 2-amino-3-(2,6-dibromopyridin-4-yl)propanoate; ethyl 3-(6-bromopyridin-3-yl)-2-acetamidopropanoate; methyl 3-(6-bromopyridin-3-yl)-2-acetamidopropanoate; ethyl-2-acetamido-3-(2-methoxypyrimidin-4-yl)propanoate; 2-(2-methoxyethoxy)ethyl 2-amino-3-(6-bromopyridin-3-yl)propanoate; 2-(2-ethoxyethoxy)ethyl 2-amino-3-(6-bromopyridin-3-yl)propanoate; 5-(2-amino-2-carboxyethyl)-1-methylpyrimidin-1-ium; 2-amino-3-[2-(trifluoromethyl)pyridin-4-yl]propanoic acid hydrochloride[HCl]; ethyl 3-[(2-bromopyridin-4-yl)oxy]-2-acetamidopropanoate; ethyl 2-acetamido-3-(pyridin-4-yloxy)propanoate; 2-amino-4-(1H-pyrrol-3-yl)butanoic acid; 2-amino-3-(1H-pyrrol-2-yl)propanoic acid; 2-amino-3-(1H-pyrrol-3-yl)propanoic acid; 2-amino-3-(4H-1,2,4-triazol-3-yl)propanoic acid; (2S)-2-hydroxy-3-(1H-imidazol-4-yl)propanoic acid; ethyl 2-{[(benzyloxy)carbonyl]amino}-3-(1H-1,2,4-triazol-3-yl)propanoate; 2-amino-3-(4-methyl-4H-1,2,4-triazol-3-yl)propanoic acid; 2-amino-3-(1-methyl-1H-1,2,4-triazol-5-yl)propanoic acid dihydrochloride; 2-amino-3-(1-methyl-1H-1,2,3-triazol-4-yl)propanoic acid hydrochloride; 2-amino-3-(2-methyl-2H-1,2,3,4-tetrazol-5-yl)propanoic acid hydrochloride; 2-amino-3-(dimethyl-4H-1,2,4-triazol-3-yl)propanoic acid hydrochloride; (2S)-2-amino-3-[5-(trifluoromethyl)-1H-pyrazol-4-yl]propanoic acid; and 2-(2-butoxyethoxy)ethyl 2-amino-3-(2H-1,2,3-triazol-4-yl)propanoate.