

SBCPD

Sociedade Brasileira da Ciência das Plantas Daninhas

BOLETIM INFORMATIVO

VOLUME 27

Nº 4

ANO 2018

ISSN 1679-0901



1. Comunicações da SBCPD 2

- 1.1 Últimos trabalhos publicados na revista Planta Daninha
- 1.2 Últimos trabalhos publicados na Revista Brasileira de Herbicidas

[Leia mais...](#)

2. Notícias, informações e opiniões ... 12

- 2.1 IV Campeonato Brasileiro da Ciência das Plantas Daninhas
- 2.2 Populações de picão-preto (*Bidens subalternans*) resistente ao glyphosate são encontradas no Paraguai

[Leia mais...](#)

3. Comunicações técnicas..... 15

- 3.1 Artigos em periódicos não vinculados a SBCPD

[Leia mais...](#)

4. Títulos de artigos científicos publicados em periódicos internacionais especializados 18

- Invasive Plant Science and Management
- Weed Biology and Management
- Weed Science
- Weed Research
- Weed Technology

[Leia mais...](#)

5. Publicações 25

- Livro: Weed Control: Sustainability, hazards and risks in cropping systems worldwide

[Leia mais...](#)

6. Calendário de eventos 27

[Leia mais...](#)

7. Nota do editor..... 28

[Leia mais...](#)

1 – COMUNICAÇÕES DA SBPCPD

1.1 Últimos trabalhos publicados na revista Planta Daninha

Volume 36, 2018

Selectivity of imazapic + imazapyr herbicides on irrigated rice as affected by seed treatment with dietholate and clomazone applied in preemergence

PIVETA, L.B.; PINTO, J.J.O.; AVILA, L.A.; NOLDIN, J.A.; SANTOS, L.O.

<http://dx.doi.org/10.1590/s0100-83582018360100062>

Interference of Morning Glory in soybean yield

PICCININI, F.; MACHADO, S.L.O.; MARTIN, T.N.; KRUSE, N.D.; BALBINOT, A.; GUARESCHI, A.

<http://dx.doi.org/10.1590/s0100-83582018360100063>

Pyroxsulam: Sulfonamide herbicide for weed control in wheat in Brazil

ZOBIOLE, L.H.S.; GAST, R.; MASTERS, R.A.; PEREIRA, G.R.; RUBIN, R.

<http://dx.doi.org/10.1590/s0100-83582018360100064>

Allelopathic potential of lavender's extract and coumarin applied as pre-plant incorporated into soil under agronomic conditions

NAZEMI, A.H.; ASADI, G.A.; GHORBANI, R.

<http://dx.doi.org/10.1590/s0100-83582018360100069>

Weed emergence in a soil with cover crops in an agroecological no-tillage system

SOUZA, M.; MÜLLER JR., V.; KURTZ, C.; BRUNETTO, G.; COUTO, R.R.; COMIN, J.J.

<http://dx.doi.org/10.1590/s0100-83582018360100065>

Yield and composition of the essential oil of *Tetradenia riparia* (Hochst) Codd (Lamiaceae) cultivated under different shading levels

ARAÚJO, L.L.N.; MELO, H.C.; PAULA, J.R.; ALVES, F.R.R.; PORTES, T.A.

<http://dx.doi.org/10.1590/s0100-83582018360100066>

Influence of adjuvants on the surface tension, deposition and effectiveness of herbicides on Fleabane plants

CASTRO, E.B.; CARBONARI, C.A.; VELINI, E.D.; GOMES, G.L.G.C.; BELAPART, D.

<http://dx.doi.org/10.1590/s0100-83582018360100067>

Abiotic factors affecting seed germination and early seedling emergence of large Crabgrass (*Digitaria sanguinalis*)

WANG, Y.H.; MA, Y.L.; FENG, G.J.; LI, H.H.

<http://dx.doi.org/10.1590/s0100-83582018360100068>

Nutritional value of Marandú Palisade Grass according to increasing coexistence periods with weeds

BELLÉ, J.R.; MARCHI, S.R.; MARTINS, D.; SOUSA, A.C.; PINHEIRO, G.H.R.

<http://dx.doi.org/10.1590/s0100-83582018360100070>

Impact of RR soybeans and glyphosate on the community of soil surface arthropods

PEREIRA, J.L.; LOPES, M.C.; PARISH, J.B.; SILVA, A.A.; PICANÇO, M.C.

<http://dx.doi.org/10.1590/s0100-83582018360100071>

Cover crops in the weed management in soybean culture

SÃO MIGUEL, A.S.D.C.; PACHECO, L.P.; SOUZA, E.D.; SILVA, C.M.R.; CARVALHO, Í.C.

<http://dx.doi.org/10.1590/s0100-83582018360100072>

Tolerance of DAS-444ø6-6 and DAS-444ø6-6 x DAS-81419-2 soybeans to 2,4-D and glyphosate in the Cerrado region of Brazil

KALSING, A.; LUCIO, F.R.; ROSSI, C.V.S.; RAMPAZZO, P.E.; GONÇALVES, F.P.; VALERIANO, R.

<http://dx.doi.org/10.1590/s0100-83582018360100073>

Selection of species with soil phytoremediation potential after the application of protox-inhibiting herbicides

ALVES, C.; GALON, L.; KAIZER, R.R.; HOLZ, C.M.; WINTER, F.L.; BASSO, F.J.M.; PERIN, G.F.; FORTE, C.T.

<http://dx.doi.org/10.1590/s0100-83582018360100074>

Phytosociology in degraded and renewed pastures in agrosilvopastoral systems

DIAS, R.C.; SANTOS, M.V.; FERREIRA, E.A.; BRAZ, T.G.S; FIGUEIREDO, L.V.; CRUZ, P.J.R.; SILVA, L.D.

<http://dx.doi.org/10.1590/s0100-83582018360100075>

Management programs to control *Conyza* spp. in pre-soybean sowing applications

ZOBIOLE, L.H.S.; KRENCHINSKI, F.H.; PEREIRA, G.R.; RAMPAZZO, P.E.; RUBIN, R.S.; LUCIO, F.R.

<http://dx.doi.org/10.1590/s0100-83582018360100076>

Biological cycle of susceptible and glyphosate-resistant Sourgrass biotypes in two growth periods

FERREIRA, S.D.; EXTECKOETTER, V.; GIBBERT, A.M.; BARBOSA, J.A.; COSTA, N.V.

<http://dx.doi.org/10.1590/s0100-83582018360100077>

Response of three *Chloris elata* populations to herbicides sprayed in pre- and post-emergence

CORREIA, N.M.; RESENDE, Í.

<http://dx.doi.org/10.1590/s0100-83582018360100078>

Action of imazethapyr and lactofen on the nodulation of conventional and transgenic soybean under drought stress conditions

GONÇALVES, C.G.; SILVA JUNIOR, A.C.; SCARANO, M.; PEREIRA, M.R.R.; MARTINS, D.

<http://dx.doi.org/10.1590/s0100-83582018360100061>

Sumatran Fleabane control using glyphosate in association with halauxifen-methyl formulations

ZOBIOLE, L.H.S.; KRENCHINSKI, F.H.; MORATELLI, G.; COSTA, N.V.

<http://dx.doi.org/10.1590/s0100-83582018360100079>

Periods of weed interference on orange tree crops

GONÇALVES, G.S.; CARVALHO, J.E.B.; GARCIA, M.V.B.; GAMA, L.A.; AZEVEDO, C.L.L.L.; SILVA, J.F.

<http://dx.doi.org/10.1590/s0100-83582018360100080>

Interference between Signal Grass and Cinderella Weed

MARTINS, P.F.R.B.; YAMAUTI, M.S.; ALVES, P.L.C.A.

<http://dx.doi.org/10.1590/s0100-83582018360100081>

Weed seed bank dynamics: Weed seed bank modulation through tillage and weed management

MAQSOOD, Q.; ABBAS, R.N.; KHALIQ, A.; ZAHIR, Z.A.

<http://dx.doi.org/10.1590/s0100-83582018360100083>

Effects of adding organic matter to a red-yellow latosol in the sorption and desorption of tebuthiuron

TEIXEIRA, M.F.F.; SILVA, A.A.; NASCIMENTO, M.A.; VIEIRA, L.S.; TEIXEIRA, T.P.M; SOUZA, M.F.

<http://dx.doi.org/10.1590/s0100-83582018360100095>

Optimum weed control method increases the yield of kinnow by improving the physical properties of soil

SAJID, M.; AHMAD, S.; JASKANI, M.J.; YASIN, M.

<http://dx.doi.org/10.1590/s0100-83582018360100084>

Chemical weed control in paddy fields inoculated with *Azospirillum lipoferum*

SEDDIGUI KIASARI, A.; AMINPANAH, H.; SHARIFI, P.

<http://dx.doi.org/10.1590/s0100-83582018360100085>

Population interference of glyphosate resistant and susceptible Ryegrass on eucalyptus initial development

BRAGA, A.F.; BARROSO, A.A.M.; AMARAL, C.L.; NEPOMUCENO, M.P.; ALVES, P.L.C.A.

<http://dx.doi.org/10.1590/s0100-83582018360100086>

Taxonomic appraisal of nodulation in the leguminosae of Pakistan

MAHMOOD, A.; ATHAR, M.

<http://dx.doi.org/10.1590/s0100-83582018360100087>

Demographic and phenological studies on David's Spurge (*Euphorbia davidii*) in the central area of Buenos Aires province, Argentina

NÚÑEZ FRÉ, F.R.; JUAN, V.F.; SAINT ANDRÉ, H.M.; CHANTRE, G.R.

<http://dx.doi.org/10.1590/s0100-83582018360100088>

Tolerance of annual winter species to protoporphyrinogen oxidase inhibiting herbicides (Protox)

ALVES, C.; GALON, L.; KAIZER, R.R.; WINTER, F.L.; HOLZ, C.M.; NONEMACHER, F.; SANTIN, C.O.

<http://dx.doi.org/10.1590/s0100-83582018360100089>

Growth and accumulation of nutrients by weeds, in maize and legumes intercrops

NOLLA, A.; JUCKSH, I.; CASTALDO, J.H.; ALVARENGA, R.C.; ALBRECHT, L.P.

<http://dx.doi.org/10.1590/s0100-83582018360100096>

Photosynthetic potential and productivity of common beans under herbicide effect

LIMA, G.R.; MACEDO, D.C.; BARROS, R.L.N.; MACHADO, A.F.L.; PIMENTEL, C.

<http://dx.doi.org/10.1590/s0100-83582018360100090>

Cultivation systems, vegetable soil covers and their influence on the phytosociology of weeds

FORTE, C.T.; GALON, L.; BEUTLER, A.N.; REICHERT JR., F.W.; MENEGAT, A.D.; PERIN, G.F.; TIRONI, S.P.

<http://dx.doi.org/10.1590/s0100-83582018360100099>

Sorption and desorption of diuron, hexazinone and mix (diuron + hexazinone) in soils with different attributes

SOUSA, G.V.; PEREIRA, G.A.M.; TEIXEIRA, M.F.F.; FARIA, A.T.; PAIVA, M.C.G.; SILVA, A.A.

<http://dx.doi.org/10.1590/s0100-83582018360100097>

News techniques for the application of herbicides on soybean crops

PEREIRA, C.S.; LIMA, C.; MEDEIROS, A.L.; ARANTES, S.A.C.M.; ASSIS, R.P.; FIORINI, I.V.A.; CARVALHO, G.

<http://dx.doi.org/10.1590/s0100-83582018360100091>

Yield losses and economic threshold of GR® F2 volunteer corn in bean

PIASECKI, C.; RIZZARDI, M.A.

<http://dx.doi.org/10.1590/s0100-83582018360100098>

Economic threshold of volunteer corn GR® in soybean as a function of emergence time and origin of corn

PIASECKI, C.; RIZZARDI, M.A.

<http://dx.doi.org/10.1590/s0100-83582018360100092>

Potential and persistence of the inhibitory effect of sorghum on weeds

BIESDORF, E.M.; PIMENTEL, L.D.; TEIXEIRA, M.F.F.; BIESDORF, E.; SALLA, P.H.H.; OLIVEIRA, A.B.

<http://dx.doi.org/10.1590/s0100-83582018360100100>

Interaction between saflufenacil and other oxidative stress promoting herbicides to control Wild Poinsettia

DIESEL, F.; VIECELLI, M.; TREZZI, M.M.; PAGNONCELLI JR., F.B.

<http://dx.doi.org/10.1590/s0100-83582018360100093>

Allelopathic effects of different plant water extracts on yield and weeds of wheat

NAEEM, M.; CHEEMA, Z.A.; IHSAN, M.Z.; HUSSAIN, Y.; MAZARI, A.; ABBAS, H.T.

<http://dx.doi.org/10.1590/s0100-83582018360100094>

Assessment of integrated weed management approaches on *Asphodelus tenuifolius* in chickpea

KHAN, I.; KHAN, M.I.; ULLAH, H.; HAROON, M.; GUL, B.

<http://dx.doi.org/10.1590/s0100-83582018360100101>

The effects of nicosulfuron and glyphosate on microbial activity of different soils

ŠANTRIC, L.J.; RADIVOJEVIC, L.J.; GAJIC-UMILJENDIC, J.; SARIC-KRSMANOVIC, M.; ĐUROVIC-PEJCEV, R.

<http://dx.doi.org/10.1590/s0100-83582018360100103>

Susceptibility of perennial tropical forage plants to glyphosate herbicide in integrated crop-livestock farming systems

MACHADO, L.A.Z.; COMUNELLO, É.; CECATO, U.; CONCENÇO, G.

<http://dx.doi.org/10.1590/s0100-83582018360100105>

Anatomical changes on the stem and leaves of *Solanum lycopersicum* caused by different concentrations of picloram + 2,4-D, in two different types of soil

BATISTÃO, A.C.; YAMASHITA, O.M.; SILVA, I.V.; ARAÚJO, C.F.; LAVEZO, A.

<http://dx.doi.org/10.1590/s0100-83582018360100106>

Manual crowning versus cardboard in forest restoration: costs and effect on seedling development

GONÇALVES, F.L.A.; RESENDE, A.S.; LIMA, I.S.S.; CHAER, G.M.

<http://dx.doi.org/10.1590/s0100-83582018360100107>

Water stress in the production and quality of *Bidens pilosa* and *Raphanus raphanistrum* seeds

PEREIRA, M.R.R.; MARTINS, C.C.; SILVA JR., A.C.; MARTINS, D.

<http://dx.doi.org/10.1590/s0100-83582018360100108>

Agronomic performance of intacta RR2 soybean submitted to doses of glyphosate

CESCO, V.J.S.; KRENCHINSKI, F.H.; RODRIGUES, D.M.; NARDI, R.; ALBRECHT, A.J.P.; ALBRECHT, L.P.

<http://dx.doi.org/10.1590/s0100-83582018360100109>

Edaphic entomofauna variation depending on glyphosate application in Roundup Ready soybean crops

PEREIRA, J.L.; ARAÚJO, T.A.; RODRIGUES-SILVA, N.; SILVA, A.A.; PICANÇO, M.C.

<http://dx.doi.org/10.1590/s0100-83582018360100110>

Elimination of the effect of some herbicides on the growth of *Zea mays* and accumulation in the soil using urea

ELHAKEM, A.H.; ABD EL-SALAM, M.M.

<http://dx.doi.org/10.1590/s0100-83582018360100104>

Impact of nitrogen levels on associated weeds, fodder ability and grain protein content of dual-purpose wheat

NAVEED, K.; BALOCH, M.S.; QAYYUM, A.; MEHMOOD, A.; HUSSAIN, I.; ALI, N.

<http://dx.doi.org/10.1590/s0100-83582018360100111>

Interference of volunteer corn on stress metabolism and yield of dry beans

PIASECKI, C.; RIZZARDI, M.A.; SCHONS, J.; CAVERZAN, A.; OLIVEIRA, C.

<http://dx.doi.org/10.1590/s0100-83582018360100112>

Characterization of ethoxysulfuron herbicide selectivity in common bean cultivars

PAGNONCELLI JR, F.B.; VIDAL, R.A.; TREZZI, M.M.; GALLON, M.; BRUSAMARELLO, A.P.

<http://dx.doi.org/10.1590/s0100-83582018360100113>

Physiological characteristics of trees recommended for the phytoremediation of soils contaminated with herbicides

AGUIAR, L.M.; SANTOS, J.B.; FERREIRA, E.A.; CABRAL, C.M.; PEREIRA, I.M.; BARROSO, G.M.; SANTOS, N.M.C.

<http://dx.doi.org/10.1590/s0100-83582018360100114>

Phytosociology of weeds in off-season maize crops in the middle Paranapanema

GAZOLA, T.; DIAS, M.F.; DUARTE, A.P.; CARBONARI, C.A.; VELINI, E.D.

<http://dx.doi.org/10.1590/s0100-83582018360100115>

Effect of mesotrione and nicosulfuron mixtures with or without adjuvants

DUUS, J.; KRUSE, N.D.; STREIBIG, J.C.

<http://dx.doi.org/10.1590/s0100-83582018360100116>

Growth stimulating influence of foliage applied brassica water extracts on morphological and yield attributes of bread wheat under different fertilizer regimes

SHAHZAD, B.; CHEEMA, S.A.; FAROOQ, M.; CHEEMA, Z.A.; REHMAN, A.; ABBAS, T.

<http://dx.doi.org/10.1590/s0100-83582018360100117>

Physiological variables in pineapples submitted to the application of diuron

CARVALHO, A.R.J.; MAIA, V.M.; ASPIAZÚ, I.; PEGORARO, R.F.; OLIVEIRA, F.S

<http://dx.doi.org/10.1590/s0100-83582018360100118>

Degradation enhancement as the mechanism of resistance to imazethapyr in Barnyardgrass

DALAZEN, G.; PISONI, A.; RAFAELI, R.S.; MEROTTO JR., A.

<http://dx.doi.org/10.1590/s0100-83582018360100119>

Influence of nitrogen fertilization on herbicide selectivity in rice

LANGARO, A.C.; AGOSTINETTO, D.; OLIVEIRA, C.; FRANCO, J.J.; ZANDONÁ, R.R.; VARGAS, L.

<http://dx.doi.org/10.1590/s0100-83582018360100120>

Integration of allelopathic crop residues and NPK fertilizer to mitigate residue-phytotoxicity, improve soil fertility and wheat growth under different moisture conditions

FAROOQ, N.; IQBAL, M.; ZAHIR, Z.A.; FAROOQ, M.

<http://dx.doi.org/10.1590/s0100-83582018360100102>

Effect of glyphosate on Guineagrass submitted to different soil water potential

SILVA JR., A.C.; GONÇALVES, C.G.; SCARANO, M.C.; PEREIRA, M.R.R.; MARTINS, D.

<http://dx.doi.org/10.1590/s0100-83582018360100121>

Effects of environmental factors on seed germination and emergence of Velvetleaf (*Abutilon theophrasti*)

XIONG, RC.; MA, Y.; WU, HW.; JIANG, WL.; MA, XY.

<http://dx.doi.org/10.1590/s0100-83582018360100122>

Allelopathic effects of invasive *Prosopis juliflora* on grass species of Potohar Plateau, Pakistan

QAYYUM, A.; RAFIQ, M.K.; ZAHARA, K.; BIBI, Y.; SHER, A.; RAFIQ, M.T.; AZIZ, R.; MANAF, A.

<http://dx.doi.org/10.1590/s0100-83582018360100123>

Management of charcoal rot of mungbean by two trichoderma species and dry biomass of *Coronopus didymus*

JAVAID, A.; KHAN, I.H.; SHOAIB, A.

<http://dx.doi.org/10.1590/s0100-83582018360100124>

Factors affecting seed dormancy and germination of Greater Bur-Parsley (*Turgenia latifolia*)

REZVANI, M.; SADATIAN, S.A.; NIKKHAHKOUCHEKSAE, H.

<http://dx.doi.org/10.1590/s0100-83582018360100125>

Use of adjuvants to optimize the activity of two broad-spectrum herbicides for weed control in wheat

ABBAS, N.; TANVEER, A.; AHMAD, T.; AMIN, M.

<http://dx.doi.org/10.1590/s0100-83582018360100126>

Soil mediated allelopathic effect of *Echinochloa colona* on germination and seedling growth of *Zea mays*

MAJEED, M.A.; TANVEER, A.; TAHIR, M.; AHMAD, R.

<http://dx.doi.org/10.1590/s0100-83582018360100127>

Selection of indicator species of the tembotrione sorption in soils with different attributes

FARIA, A.T.; SILVA, E.M.G.; PEREIRA, G.A.M.; SOUZA, M.F.; SILVA, A.A.; REIS, M.R.

<http://dx.doi.org/10.1590/s0100-83582018360100128>

Growth analysis of *Chloris elata*

CORREIA, N.M.; RESENDE, I.

<http://dx.doi.org/10.1590/s0100-83582018360100129>

Productivity, control, and decomposition of irrigated forage species under glyphosate doses and shading

BRANT, M.C.; TUFFI SANTOS, L.D.; FREITAS, I.C.; FRAZÃO, L.A.; SILVA, M.S.N.; MACHADO, V.D.; SANTOS, M.V.

<http://dx.doi.org/10.1590/s0100-83582018360100130>

Resistance to glyphosate in populations of *Digitaria insularis*

COSTA, N.V.; MORATELLI, G.; FERREIRA, S.D.; SALVALAGGIO, A.C.; RODRIGUES-COSTA, A.C.P.

<http://dx.doi.org/10.1590/s0100-83582018360100131>

Allelopathic effect of parthenium hysterophorus on germination and growth of some important crops and weeds of economic importance

HASSAN, G.; RASHID, H.U.; AMIN, A.; KHAN, I.A.; SHEHZAD, N.

<http://dx.doi.org/10.1590/s0100-83582018360100132>

New records of microfungi and chromista from Anatolian peninsula of Turkey

OZASLAN, C.; HÜSEYİN, E.; FAROOQ, S.; ONEN, H.

<http://dx.doi.org/10.1590/s0100-83582018360100133>

Interference and economic threshold level of volunteer corn in soybean

AGUIAR, A.C.M.; BASSO, C.J.; MURARO, D.S.; PANSERA, E.; SILVA, D.R.O.

<http://dx.doi.org/10.1590/s0100-83582018360100134>

Comparative selectivity of herbicides used in wheat crop on the predators *Chrysoperla externa* and *Eriopis connexa*

PASINI, R.A.; PAZINI, J.B.; GRÜTZMACHER, A.D.; RAKES, M.; ARMAS, F.S.

<http://dx.doi.org/10.1590/s0100-83582018360100135>

Effect of environmental factors on seed germination and early seedling emergence of Carolina Geranium (*Geranium carolinianum*)

LIU, X.; ZONG, T.; LI, Y.; ZHOU, X.; BAI, L.

<http://dx.doi.org/10.1590/s0100-83582018360100136>

Leaf morphoanatomy and biochemical variation on coffee cultivars under drift simulation of glyphosate

REIS, L.A.C.; CARVALHO, F.P.; FRANÇA, A.C.; FRANCINO, D.M.T.; PINTO, N.A.V.D.; FREITAS, A.F.
<http://dx.doi.org/10.1590/s0100-83582018360100149>

Atrazine and mesotrione-induced oxidative stress and impact on antioxidant enzymes and chlorophyll contents in bermudagrass

WANG, Y.; YU, J.; ZHOU, B.; SAPKOTA, S.; WEI, F.; WANG, Z.
<http://dx.doi.org/10.1590/s0100-83582018360100146>

Tolerance to glyphosate in broadleaf Buttonweed and white-eye biotypes

DIESEL, F.; TREZZI, M.M.; GALLON, M.; BALBINOT JR., A.A.; PAGNONCELLI, F.B.
<http://dx.doi.org/10.1590/s0100-83582018360100137>

Integrated approaches for weed suppression in chickpea (*Cicer arietinum*) under residual moisture after rice crop

KHAN, I.A.; KHAN, R.; HASSAN, G.; WAQAS, M.; SHAH, S.M.A.; KHAN, S.A.
<http://dx.doi.org/10.1590/s0100-83582018360100150>

Activity of antioxidant enzymes in *Euphorbia heterophylla* biotypes and their relation to cross resistance to ALS and Prototox Inhibitors

XAVIER, E.; TREZZI, M.M.; OLIVEIRA, M.C.; VIDAL, R.A.; BRUSAMARELLO, A.P.
<http://dx.doi.org/10.1590/s0100-83582018360100138>

Weeds in second corn crops in the period of transgenic soybean implantation in the middle Paranapanema region

HIRATA, A.C.S.; DUARTE, A.P.; DUARTE, R.C.R.M.
<http://dx.doi.org/10.1590/s0100-83582018360100139>

Sorption-desorption behavior of imazethapyr and imazapic on six Brazilian soils

MARINHO, M.I.C.; SOUZA, W.M.; CABRAL, M.F.; CASTRO NETO, M.D.; QUEIROZ, M.E.L.R.; SILVA, A.A.
<http://dx.doi.org/10.1590/s0100-83582018360100140>

Weed management in rice under sprinkler and flood irrigation systems

HELGUEIRA, D.B.; D'AVILA ROSA, T.; GALON, L.; MOURA, D.S.; MARTINI, A.T.; PINTO, J.J.O.
<http://dx.doi.org/10.1590/s0100-83582018360100141>

A rapid phenotyping method for imazamox resistance in wheat

BRECCIA, G.; BISIO, M.B.; PICARDI, L.; NESTARES, G.
<http://dx.doi.org/10.1590/s0100-83582018360100142>

Residual activity of [imazapic+imazapyr] applied to imidazolinones resistant soybean on cotton in succession

MATTE, W.D.; CAVALIERI, S.D.; PEREIRA, C.S.; IKEDA, F.S.; POLTRONIERI, F.
<http://dx.doi.org/10.1590/s0100-83582018360100148>

Removal of diuron and hexazinone from public water supply using a filter system
CALEGARI, R.P.; MENDES, K.F.; MARTINS, B.C.; PIMPINATO, R.F.; BAPTISTA, A.S.; TORNISIELO, V.L.

<http://dx.doi.org/10.1590/s0100-83582018360100147>

Evaluation of organic and inorganic mulching as an integrated weed management strategy in maize under rainfed conditions

MEHMOOD, T.; KHAN, S.U.; QAYYUM, A.; GURMANI, A.R.; AHMED, W.; LIAQUAT, M.; FARID, A.

<http://dx.doi.org/10.1590/s0100-83582018360100143>

Herbicidal potential of sorghum and brassica against the weeds of cotton

FAROOQ, O.; ATIQUE-UR-REHMAN; SARWAR, N.; HUSSAIN, M.; WASAYA, A.; NAEEM, M.; IQBAL, M.M.; KHALIQ, A.

<http://dx.doi.org/10.1590/s0100-83582018360100144>

Phytochemistry and allelopathic potential of torelliodora eucalyptus leaves on germination and initial growth of mutambo

PEREIRA, S.R.; FONSECA, D.R.; MATIAS, R.; CORRÊA, B.O.; PEDRINHO, D.R.

<http://dx.doi.org/10.1590/s0100-83582018360100145>

1.2 Últimos trabalhos publicados na Revista Brasileira de Herbicidas

Sem novas publicações até o fechamento da edição deste número.

2 – NOTÍCIAS, INFORMAÇÕES E OPINIÕES

2.1 IV Campeonato Brasileiro da Ciência das Plantas Daninhas

Nos dias 18 e 19 de outubro de 2018 foi realizado o IV Campeonato Brasileiro da Ciência das Plantas Daninhas, na Estação Experimental da BASF, em Santo Antônio de Posse - SP. O Campeonato tem como objetivo proporcionar experiência educacional na qual os estudantes de Universidades do Brasil possam ampliar seus conhecimentos aplicados à Ciência das Plantas Daninhas.

Participaram do Campeonato 24 competidores, acadêmicos de cursos de graduação e pós-graduação, distribuídos em seis equipes, que realizaram provas de calibração teórica e prática, identificação de plantas daninhas, sintomatologia de herbicidas, quiz, prova surpresa de segurança na aplicação de agrotóxicos e recomendação de manejo.

As equipes (Universidades) participantes foram: Centro Universitário Fundação Octavio Bastos – UNIFEOB, São João da Boa Vista - SP; Escola Superior de Agricultura Luiz de Queiroz / Universidade de São Paulo – ESALQ/USP, Piracicaba - SP; Universidade Estadual de Maringá – UEM, Maringá - PR; Universidade Estadual Paulista – UNESP, Botucatu - SP; Universidade Federal de Pelotas – UFPel, Pelotas - RS e Universidade Federal Rural do Rio de Janeiro – UFRRJ, Seropédica - RJ.

A comissão organizadora do IV Campeonato Brasileiro da Ciência das Plantas Daninhas foi composta pelos seguintes membros: Naiara Guerra (Universidade Federal de Santa Catarina, UFSC Campus de Curitibanos), Camila Ferreira de Pinho (Universidade Federal Rural do Rio de Janeiro – UFRRJ, Seropédica), Carlos Eduardo Schaedler (Instituto Federal Sul-rio-grandense – IFSul Campus Bagé), Anderson Luis Nunes (Instituto Federal do Rio Grande do Sul - IFRS Campus Sertão) e Ana Paula Meirelles Menzani e Rômulo Ramos (Estação Experimental da BASF, Santo Antônio de Posse).

O Campeonato Brasileiro da Ciência das Plantas Daninhas é uma realização da Sociedade Brasileira da Ciência das Plantas Daninhas (SBCPD). A comissão organizadora agradece a empresa BASF pelo patrocínio e disponibilização de sua estrutura para a realização do evento e as universidades e acadêmicos participantes. Sem a contribuição de cada um de vocês não seria possível a realização do evento. E ainda convida a todos para participarem do V Campeonato Brasileiro da Ciência de Plantas Daninhas que está previsto para a segunda quinzena de outubro de 2019.



Classificação individual

- 1º Lugar: Maicon Fernando Schmitz – UFPel
- 2º Lugar: Vinicios Rafael Gehrke - UFPel
- 3º Lugar: Fábio Henrique Krenchinski – UNESP Botucatu
- 4º Lugar: Fellipe Goulart Machado – UEM
- 5º Lugar: Jéssica Ferreira Lourenço Leal – UFRRJ
- 6º Lugar: Bruno Flaibam Giovanelli - UNESP Botucatu
- 7º Lugar: Vinicius Gabriel Caneppele Pereira - UNESP Botucatu
- 8º Lugar: Matheus Bastos Martins - UFPel
- 9º Lugar: Francisco de Assis Pujol Goulart - UFPel
- 10º Lugar: Mateus Dalbubel Mattiuzzi - UEM

Classificação por equipe:

- 1º Lugar: Universidade Federal de Pelotas – UFPel
- 2º Lugar: Universidade Estadual Paulista – UNESP Botucatu
- 3º Lugar: Universidade Estadual de Maringá – UEM

Vencedores provas

- Calibração prática: UEM
- Calibração teórica: Vinicios Rafael Gehrke - UFPel
- Identificação de plantas daninhas: Maicon Fernando Schmitz - UFPel
- Quiz: Maicon Fernando Schmitz - UFPel
- Prova surpresa: Gustavo Cesar Barbosa – Unifeob
- Sintomatologia de herbicidas: Maicon Fernando Schmitz - UFPel
- Recomendação: Henrique Fabricio Placido - UEM



Comissão Organizadora.

2.2 Populações de picão-preto (*Bidens subalternans*) resistente ao glyphosate são encontradas no Paraguai

Equipe de composta pelo Eng. Agr. Fabrício Krzyzaniak, e pesquisadores da EMBRAPA Soja e Universidade Estadual de Maringá identificou duas populações de picão-preto (*Bidens subalternans*) resistente a glyphosate, provenientes de Naranjal e Santa Rosa del Monday, Paraguai. Desde 2016 agricultores e consultores do Paraguai já vinham apresentando reclamações sobre falta de controle de populações de picão-preto após a aplicação de glyphosate, tanto na dessecação antes da semeadura, como em aplicações em pós-emergência da cultura da soja.

A equipe conclui com os estudos que as duas populações estudadas apresentam resistência ao glyphosate e tanto as populações geradas a partir das sementes coletadas em campo quanto aquelas coletadas das plantas sobreviventes dos ensaios em casa de vegetação apresentam valores relativamente altos de FR. Estudos complementares estão sendo conduzidos no sentido de determinar se ocorre resistência múltipla a outros mecanismos de ação nestes biótipos. Também estão sendo investigados os possíveis mecanismos de resistência destas populações ao glyphosate.

O único caso de picão-preto resistente a glyphosate no mundo até então havia sido reportado no México, em populações de *B. pilosa* que foram selecionadas como resistentes em pomares de citros.

O informe completo pode ser acessado clicando [aqui](#).

3 – COMUNICAÇÕES TÉCNICAS

3.1 Artigos em periódicos não vinculados a SBCPD

Pazdiora, P.; Piasecki, C.; Dorneles, K. D. R.; Agostinetto, D.; Vargas, L.; Dallagnol, L. J. (2018). Glyphosate-resistant *Conyza bonariensis* is susceptible to powdery mildew caused by *Podosphaera erigerontis-canadensis*. *Plant Disease*, (PDIS-05-18-0732-PDN). <https://doi.org/10.1094/PDIS-05-18-0732-PDN>

Hairy fleabane, *Conyza bonariensis* (L.) Cronq., is an annual plant native to the Americas and considered an important weed in several annual crops such as soybeans, wheat and corn, as well as affecting pasture and orchards. It has a cosmopolitan distribution and is among the world's most difficult weeds to manage. *Conyza bonariensis* reproduces by seeds, starting its life cycle in the winter and ending in the summer, is considered a winter and summer weed. This weed was easily killed by glyphosate, a non-selective herbicide routinely used in tillage cropping. However, glyphosate resistance was reported in *C. bonariensis* (Vargas et al., 2007). In January 2018, powdery mildew symptoms were observed on glyphosate-resistant plants of hairy fleabane, but not on glyphosate-susceptible ones when grown in greenhouse, located in the municipality of Capão do Leão, Rio Grande do Sul, Brazil (31° 08' 35.0"S, 52° 41' 30.9"W). The disease symptoms developed as isolated white-pulverulent colonies, that over time, coalesced covering the entire leaf surface causing premature senescence. The morphological analysis of the fungus showed that conidiophores (n = 12) were straight, 99 µm (70 to 122 µm) length, and 11 µm (10 to 13 µm) width, constituted by a foot-cells of 62 µm (43 to 81 µm) followed by two shorter cells. Conidia (n = 60) were hyaline, ellipsoid-ovoid to subcylindric with 30 µm (27 to 35 µm) in length and 18 µm (15 to 20 µm) in width, with fibrosin bodies. The morphological analysis suggested that the fungus belonged to the *Podosphaera* genus. DNA was extracted from conidia and mycelium and used to amplify the ITS (ITS1-5.8s-ITS2) using the primers ITS1-F_KYO2 (Toju et al., 2012) and ITS4 (White et al., 1990). The sequence with 453 nt was deposited in GenBank (accession no. MH249992). The BLAST search revealed 100% identity with *Podosphaera erigerontis-canadensis* from *C. bonariensis* from Korea (accession no. KY678231). Based on morphological and molecular analysis, the fungus was identified as *P. erigerontis-canadensis*. To fulfill Koch's postulates, ten healthy glyphosate-resistant and ten healthy glyphosate-susceptible plants were inoculated with ten to twenty conidia of *P. erigerontis-canadensis* (isolate LIPP Pe 01-2018) on the adaxial surface of the leaves using an eyelash brush. After inoculation, plants were kept in a greenhouse with temperature ranging from 20 to 30°C and relative humidity over 80%. Ten non-inoculated plants were kept under the same conditions of inoculated ones and used as a control. Seven days after inoculation, only inoculated glyphosate-resistant plants showed powdery mildew symptoms similar to that found in plants used as inoculum source, whereas the control plants remained without symptoms. To confirm the

identity of the pathogen on symptomatic inoculated plants, morphological analysis of the fungus was performed. To the best of our knowledge, this is the first report of powdery mildew caused by *P. erigerontis-canadensis* in glyphosate-resistant *C. bonariensis* in Brazil. The molecular and biochemical mechanisms underlying susceptibility of glyphosate-resistant *C. bonariensis* plants is yet to be elucidated.

Ribeiro, V. H. V.; Alencar, B. T. B.; Santos, N. M. C.; Costa, V. A. M.; Santos, J. B.; Francino, D. M. T.; Souza, M. F.; Silva, D. V. (2019). Sensitivity of the macrophytes *Pistia stratiotes* and *Eichhornia crassipes* to hexazinone and dissipation of this pesticide in aquatic ecosystems. *Ecotoxicology and Environmental Safety*, 168, 177-183. <https://doi.org/10.1016/j.ecoenv.2018.10.021>

Herbicide wastes from agriculture areas can contaminate water resources and affect non-target organisms. Since herbicides reach groundwater and rivers, these residues can damage the aquatic ecosystem. Hexazinone is an herbicide widely used in sugarcane cultivation and has a potential to contaminate water resources. Therefore, studies are necessary to know the possible damages of this herbicide on aquatic organisms, as well as the behavior of this pesticide in those systems. In this study, our objective was to evaluate the sensitivity of the macrophytes *Pistia stratiotes* and *Eichhornia crassipes* to hexazinone, as well as the dissipation of these pesticides. The variables intoxication, fresh matter accumulation, and leaf anatomy were used to evaluate the sensitivity of the macrophytes to hexazinone. The hexazinone concentration in water was performed by HPLC-MS. Hexazinone concentrations equivalent to 111 and 333 $\mu\text{g L}^{-1}$ were toxic to the macrophytes. *Pistia stratiotes* produced less fresh matter production than *Eichhornia crassipes* when exposed to the hexazinone. The hexazinone application did not change the adaxial epidermic (EAD), abaxial epidermic (EAB), palisade parenchyma (PP), aerenchyma (AER) and leaf blade (LAF) of *Pistia stratiotes* at any concentration tested. Concentrations equivalent to 333 $\mu\text{g L}^{-1}$ changed the PP and LAF of *Eichhornia crassipes*. The presence of this herbicide in water negatively affects the fresh matter accumulation and leaf structure of the *Pistia stratiotes* and *Eichhornia crassipes*, respectively. The presence of these macrophytes delayed the dissipation of hexazinone due to them impair other pathways of degradation of this herbicide in aquatic environments. The presence of this herbicide in water negatively affects the growth and development of the *Pistia stratiotes* and *Eichhornia crassipes*.

Keywords: Environmental contamination; Herbicide; Macrophytes; Leaf anatomy; Harmful residues

Silva, A. F. M.; Albrecht, A. J. P.; Viana, H. R. M.; Giovanelli, B. F.; Ghirardello, G. A.; Marco, L. R.; Albrecht, L. P.; Victoria Filho, R. (2018). Glyphosate, isolated or in associations, at agronomic performance and seed quality of the RR[®]2 soybean. *Arquivos do Instituto Biológico*, 85, e0732017. <https://dx.doi.org/10.1590/1808-1657000732017>

The “second generation” of glyphosate-tolerant soybean (RR[®]2 soybean) was developed through a different technique of insertion of the glyphosate-insensitive EPSPs gene. Information on the selectivity of glyphosate, alone or in combination, in RR2 soybean is lacking. This study evaluated the effects of glyphosate, isolated or in associations, applied at post-emergence (V4), at agronomic performance and seed quality of soybean cultivar NS 6700 IPRO (RR2). The experimental design was randomized block with four replications and seven treatments, conducted in the field for two growing seasons. The treatments consisted of glyphosate herbicide, alone or in combination with clethodim, cloransulam, chlorimuron, lactofen and fluazifop, besides the control without application. Analysis was performed for crop injury, Soil and Plant Analyzer Development (SPAD) index, as well as variables related to agronomic performance (height, number of pods per plant, yield and 1,000-seed weight) and seed quality (vigor, germination, abnormal seedlings and dead seeds). An additional test was conducted with the same cultivar and treatments in a greenhouse in a completely randomized design with four replications. The herbicides did not affect agronomic performance and seed quality of RR2 soybean. Thus, the soybean cultivar NS 6700 IPRO (RR2) was tolerant to glyphosate, alone or combined with other herbicides applied in post-emergence (V4).

Keywords: crop injury; *Glycine max* (L.) Merrill; EPSPs inhibitors.

4 – TÍTULOS DE ARTIGOS CIENTÍFICOS PUBLICADOS EM PERIÓDICOS INTERNACIONAIS ESPECIALIZADOS NA ÁREA DE PLANTAS DANINHAS

Invasive Plant Science and Management

Volume 11, Issue 3, September 2018

Research and Education

Vegetative community response to landscape-scale post-fire herbicide (imazapic) application

APPLESTEIN, C.; GERMINO, M.; FISK, M.

<https://doi.org/10.1017/inp.2018.18>

Spatiotemporal patterns and mechanisms of Chinese Tallowtree (*Triadica sebifera*) spread along edge habitat in a coastal landscape, Mississippi, USA.

FAN, Z.; YANG, S.; LIU, X.

<https://doi.org/10.1017/inp.2018.21>

Native hardwood tree seedling establishment following invasive Autumn-Olive (*Elaeagnus umbellata*) removal on a reclaimed coal mine

FRANKE, M.; ZIPPER, C.; BARNEY, J.

<https://doi.org/10.1017/inp.2018.19>

Lythrum Salicaria (*Purple Loosestrife*) control with herbicides: Multiyear applications

KNEZEVIC, S.; OSIPITAN, O.; OLIVEIRA, M.; SCOTT, J.

<https://doi.org/10.1017/inp.2018.17>

Effect of winter herbicide applications on Bald Cypress (*Taxodium distichum*) and Giant Salvinia (*Salvinia molesta*)

SARTAIN, B.; MUDGE, C.

<https://doi.org/10.1017/inp.2018.20>

Note

Rethinking invasion impacts across multiple field sites using European Swallowwort (*Vincetoxicum rossicum*) as a model invader

THOMPSON, G.; BELL, T.; KAO-KNIFFIN, J.

<https://doi.org/10.1017/inp.2018.22>

Weed Biology and Management

Sem novas publicações até o fechamento da edição deste número.

Weed Science

Volume 66, Issue 6, November 2018

Review

Multiple herbicide-resistant Italian Ryegrass [*Lolium perenne* L. spp. *multiflorum* (Lam.) Husnot] in California perennial crops: Characterization, mechanism of resistance, and chemical management

BRUNHARO, C.; HANSON, B.

<https://doi.org/10.1017/wsc.2018.50>

Research Article

Competitiveness of herbicide-resistant Waterhemp (*Amaranthus tuberculatus*) with soybean

BUTTS, T.; VIEIRA, B.; LATORRE, D.; WERLE, R.; KRUGER, G.

<https://doi.org/10.1017/wsc.2018.45>

Evaluating effect of degree of water stress on growth and fecundity of Palmer Amaranth (*Amaranthus palmeri*) using soil moisture sensors

CHAHAL, P.; IRMAK, S.; JUGULAM, M.; JHALA, A.

<https://doi.org/10.1017/wsc.2018.47>

Role of edamame (*Glycine max*) seed size in early-season crop-weed interactions

CRAWFORD, L.; WILLIAMS, M.

<https://doi.org/10.1017/wsc.2018.46>

Differential germination characteristics of dicamba-resistant Kochia (*Bassia scoparia*) populations in response to temperature

KUMAR, V.; JHA, P.; LIM, C.; STAHLMAN, P.

<https://doi.org/10.1017/wsc.2018.54>

Germination ecology of two Australian populations of African Turnipweed (*Sisymbrium thellungii*)

MAHAJAN, G.; MATLOOB, A.; WALSH, M.; CHAUHAN, B.

<https://doi.org/10.1017/wsc.2018.55>

Omics in weed science: A perspective from genomics, transcriptomics, and metabolomics approaches

MAROLI, A.; GAINES, T.; FOLEY, M.; DUKE, S.; DOĞRAMACI, M.; ANDERSON, J.; ... THARAYIL, N.
<https://doi.org/10.1017/wsc.2018.33>

Efficacy of halauxifen-methyl on glyphosate-resistant Horseweed (*Erigeron canadensis*)

MCCAULEY, C.; JOHNSON, W.; YOUNG, B.
<https://doi.org/10.1017/wsc.2018.43>

Application timing and degradation rate of sulfosulfuron in soil co-affect control efficacy of Egyptian Broomrape (*Phelipanche aegyptiaca*) in tomato

PAPORISCH, A.; LAOR, Y.; RUBIN, B.; ACHDARI, G.; EIZENBERG, H.
<https://doi.org/10.1017/wsc.2018.49>

Persistence and movement of fomesafen in Florida strawberry production

REED, T.; BOYD, N.; WILSON, P.; DITTMAR, P.; SHARPE, S.
<https://doi.org/10.1017/wsc.2018.48>

Extractable and germinable seedbank methods provide different quantifications of weed communities

REINHARDT, T., & LEON, R.
<https://doi.org/10.1017/wsc.2018.56>

Management of herbicide-resistant Corn Poppy (*Papaver rhoeas*) under different tillage systems does not change the frequency of resistant plants

TORRA, J.; ROYO-ESNAL, A.; REY-CABALLERO, J.; RECASENS, J.; SALAS, M.
<https://doi.org/10.1017/wsc.2018.53>

Confirmation and characterization of non-target site resistance to fomesafen in Palmer Amaranth (*Amaranthus palmeri*)

VARANASI, V.; BRABHAM, C.; NORSWORTHY, J.
<https://doi.org/10.1017/wsc.2018.60>

Characterization of acetolactate synthase (ALS)-inhibitor resistance in Pennsylvania Smartweed (*Persicaria pensylvanica*)

VARANASI, V.; NORSWORTHY, J.; BRABHAM, C.; SCOTT, R.
<https://doi.org/10.1017/wsc.2018.44>

Weed Research

Volume 58, Issue 6, December 2018

Method

WRASP: A spatial strategic weed risk analysis tool reveals important subnational variations in weed risks

KRITICOS, D.J.; BEAUTRAIS, J.R.; DODD, M.B.

<https://doi.org/10.1111/wre.12327>

Original Articles

The effects of climate warming and urbanised areas on the future distribution of *Cortaderia selloana*, pampas grass, in France

TARABON, S.; BERTRAND, R.; LAVOIE, C.; VIGOUROUX, T.; ISSELIN-NONDEDEU, F.

<https://doi.org/10.1111/wre.12330>

Changes in weed species composition in irrigated agriculture in Saharan Algeria

EDDOUD, A.; BUISSON, E.; ACHOUR, L.; GUEDIRI, K.; BISSATI, S.; ABDELKRIM, H.

<https://doi.org/10.1111/wre.12328>

Faba bean as green manure for field weed control in maize

ÁLVAREZ-IGLESIAS, L.; PUIG, C.G.; REVILLA, P.; REIGOSA, M.G.; PEDROL, N.

<https://doi.org/10.1111/wre.12335>

Understanding dormancy breakage and germination ecology of *Cynara cardunculus* (Asteraceae)

HUARTE, H.R.; BORLANDELLI, F.; VARISCO, D.; BATLLA, D.

<https://doi.org/10.1111/wre.12331>

Weed interference with no-till soybeans influenced by fine-scale covariation between soil properties and cover crop performance

ESLAMI, S.V.; DAVIS, A.S.

<https://doi.org/10.1111/wre.12334>

Weed Technology

Volume 32, Issue 5, October 2018

Research Article

Soybean response to dicamba: A meta-analysis

KNISS, R.

<https://doi.org/10.1017/wet.2018.74>

Response of non–dicamba-resistant soybean to dicamba as influenced by growth stage and herbicide rate

MCCOWN, S.; BARBER, T.; NORSWORTHY, J.

<https://doi.org/10.1017/wet.2018.64>

Response of non–dicamba-resistant soybean to dicamba as influenced by growth stage and herbicide rate

MCCOWN, S.; BARBER, T.; NORSWORTHY, J.

<https://doi.org/10.1017/wet.2018.64>

Investigations of the potential interactions between pre-emergence residual herbicides, variety, and seed treatments in soybean

BARLOW, B.; SHERGILL, L.; BISH, M.; BRADLEY, K.

<https://doi.org/10.1017/wet.2018.44>

Distribution of PPX2 mutations conferring PPO-Inhibitor resistance in Palmer Amaranth populations of Tennessee

COPELAND, J.; GIACOMINI, D.; TRANEL, P.; MONTGOMERY, G.; STECKEL, L.

<https://doi.org/10.1017/wet.2018.59>

Weed control and selectivity of pethoxamid alone and in mixture as a delayed preemergence application to rice

GODWIN, J.; NORSWORTHY, J.; SCOTT, R.

<https://doi.org/10.1017/wet.2018.57>

Field measurements of drift of conventional and drift control formulations of 2,4-D plus glyphosate

HAVENS, P.; HILLGER, D.; HEWITT, A.; KRUGER, G.; MARCHI-WERLE, L.; CZACZYK, Z.

<https://doi.org/10.1017/wet.2018.55>

Effect of fall-applied residual herbicides on rice growth and yield

LAWRENCE, B.; BOND, J.; EDWARDS, H.; GOLDEN, B.; MONTGOMERY, G.; EUBANK, T.; WALKER, T.

<https://doi.org/10.1017/wet.2018.41>

Insecticide seed treatments partially safen rice to low rates of glyphosate and imazethapyr

MARTIN, S.; NORSWORTHY, J.; SCOTT, R.; HARDKE, J.; LORENZ, G.; GBUR, E.

<https://doi.org/10.1017/wet.2018.67>

Nonionic surfactant affects dislodge able 2,4-D foliar residue from turfgrass

MAXWELL, P.; GANNON, T.; COOPER, R.

<https://doi.org/10.1017/wet.2018.47>

Critical period for Palmer Amaranth (*Amaranthus palmeri*) control in pickling cucumber
MCGOWEN, S.; JENNINGS, K.; CHAUDHARI, S.; MONKS, D.; SCHULTHEIS, J.; REBERG-HORTON, C.

<https://doi.org/10.1017/wet.2018.58>

Differential response of Arkansas Palmer Amaranth (*Amaranthus palmeri*) to glyphosate and mesotrione

SINGH, S.; ROMA-BURGOS, N.; SINGH, V.; ALCOBER, E.; SALAS-PEREZ, R.; SHIVRAIN, V.

<https://doi.org/10.1017/wet.2018.34>

Impact of Nealley's Sprangletop on rough rice yield

WEBSTER, E.; BERGERON, E.; BLOUIN, D.; MCKNIGHT, B.; OSTERHOLT, M.

<https://doi.org/10.1017/wet.2018.43>

Seed treatments alleviate dormancy of field Bindweed (*Convolvulus arvensis* L.)

XIONG, R.; WANG, Y.; WU, H.; MA, Y.; JIANG, W.; MA, X.

<https://doi.org/10.1017/wet.2018.46>

Weed Management-Major Crops

Injury criteria associated with soybean exposure to dicamba

FOSTER, M.; GRIFFIN, J.

<https://doi.org/10.1017/wet.2018.42>

Activity of florasulfuron-benzyl on Fall Panicum (*Panicum dichotomiflorum* Michx.) and Nealley's Sprangletop (*Leptochloa nealleyi* Vasey)

TELÓ, G.; WEBSTER, E.; MCKNIGHT, B.; BLOUIN, D.; RUSTOM, S.

<https://doi.org/10.1017/wet.2018.52>

Weed control with halauxifen-methyl applied alone and in mixtures with 2,4-D, dicamba, and glyphosate

ZIMMER, M.; YOUNG, B.; JOHNSON, W.

<https://doi.org/10.1017/wet.2018.48>

Weed Management-Other Crops/Areas

Walnut response to multiple exposures to simulated drift of bispyribac-sodium

GALLA, M.; AL-KHATIB, K.; HANSON, B.

<https://doi.org/10.1017/wet.2018.16>

Alternative vine management programs for fresh-market potatoes

LEMKE, M.; COLQUHOUN, J.; HEIDER, D.; RITTMAYER, R.

<https://doi.org/10.1017/wet.2018.56>

Effects of integrated polyethylene and cover crop mulch, conservation tillage, and herbicide application on weed control, yield, and economic returns in watermelon

PRICE, A.; WILLIAMS, J.; DUZY, L.; MCELROY, J.; GUERTAL, E.; LI, S.

<https://doi.org/10.1017/wet.2018.45>

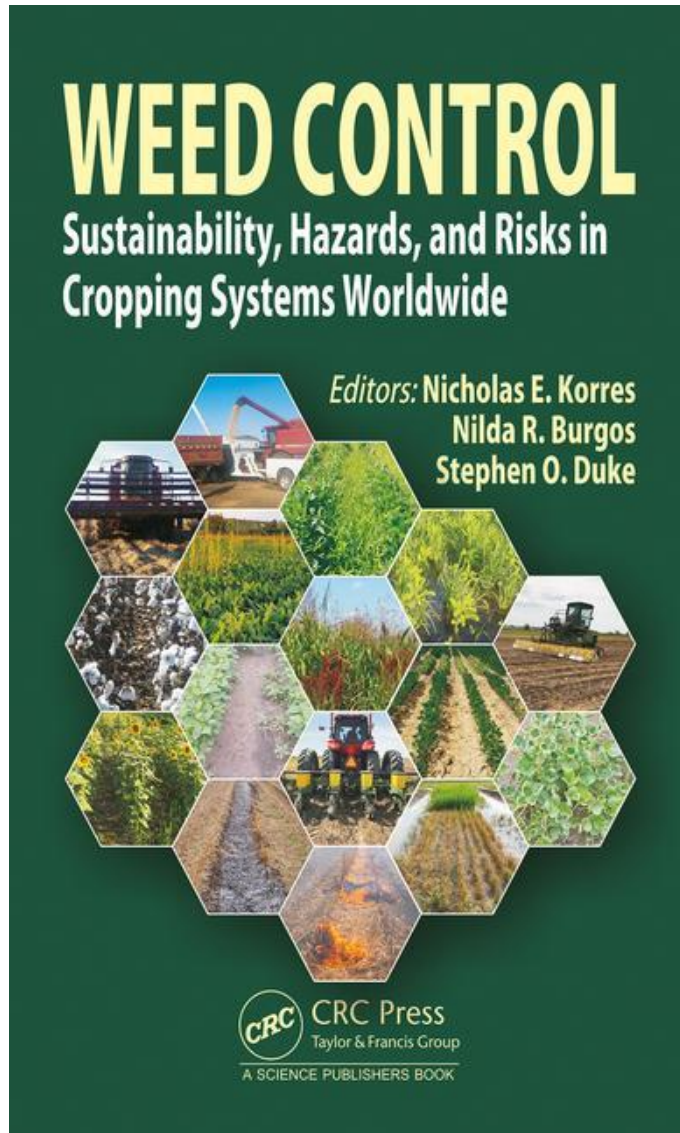
Education/Extension

A statewide survey of stakeholders to assess the problem weeds and weed management practices in Nebraska

SARANGI, D.; JHALA, A.

<https://doi.org/10.1017/wet.2018.35>

5 – PUBLICAÇÕES



Livro: Weed Control: Sustainability, hazards and risks in cropping systems worldwide

Korres, N. E.; Burgos, N. E.; Duke, S. O. (2018). *Weed Control: Sustainability, hazards and risks in cropping systems worldwide*. CRC Press (Taylor & Francis Group), 664 p.

Preocupações sobre sistemas sustentáveis de produção de alimentos, juntamente com a evolução de plantas daninhas resistentes a herbicidas, exigem uma revisão das atuais estratégias de controle. O controle sustentável de plantas daninhas requer uma abordagem integrada baseada no conhecimento de cada cultivo e das plantas daninhas que o ameaçam.

Tópicos importantes da ciência das plantas daninhas relacionados a questões sustentáveis, potenciais perigos e riscos são amplamente discutidos na primeira parte do livro. Os efeitos dos herbicidas e métodos

de controle de plantas daninhas no solo, ecossistemas de água doce e insetos são revisados criticamente. Os riscos devido ao uso não criterioso de herbicidas, e ainda, adoção de boas práticas como o uso de equipamentos de proteção individual, entre outras, são discutidas em detalhes.

O uso potencial, vantagens e desvantagens de bio-herbicidas e alelopatia para controle sustentável de plantas daninhas, também são abordados.

Questões importantes sobre a evolução da resistência a herbicidas, a distribuição nos principais cultivos e a contribuição de cultivos tolerantes a herbicidas geneticamente modificadas no manejo sustentável de plantas daninhas são examinadas minuciosamente.

A segunda parte do livro discute o controle de plantas daninhas em diversos cultivos, em termos de controle mecânico, físico, cultural, preventivo e químico. A

avaliação da sustentabilidade do controle de plantas daninhas para cada cultivo também é discutida. Sob diversos sistemas, o uso de plantas aromáticas e óleos essenciais para o controle sustentável de plantas daninhas, juntamente com o controle de plantas daninhas em pastagens e sistemas de agricultura orgânica são examinados.

Este livro é uma fonte inestimável de informações para estudantes, acadêmicos, produtores, consultores e outras partes interessadas que lidam com sistemas de produção agrícola. Propõe e discute as estratégias de controle de plantas daninhas mais apropriadas, criteriosas e adequadas para uma ampla variedade de cultivos.

6 – CALENDÁRIO DE EVENTOS

Janeiro 2019

Northeastern Weed Science Society (NEWSS)

Data: 07 a 10 de janeiro de 2019

Local: Baltimore, Maryland, Estados Unidos

Fevereiro 2019

Southern Weed Science Society (SWSS)

Data: 03 a 07 de fevereiro de 2019

Local: Oklahoma City, Oklahoma, Estados Unidos

[Volta ao índice](#)

7 - NOTA DOS EDITORES

Prezado (a) Leitor (a), reiteramos que estamos em um momento de transição na editoria do Boletim da SBCPD e, nesse ínterim solicitamos sugestões que, serão assimiladas e atendidas em sintonia com a nova gestão da SBCPD. De momento, observamos que o idealizado para os números de 2019 é que possamos trazer novidades, assim como consolidar o grupo editorial do Boletim.

Gostaríamos também de agradecer a todos os associados e leitores que tem contribuído com o envio de material para divulgação no Boletim da SBCPD. Pedimos encarecidamente que continuem colaborando com envio de sugestões e material para o email: boletim.sbcpd@gmail.com. Para o próximo número serão aceitos comunicações técnicas, relatos, notícias e informações sobre eventos. **A data limite para envio de sugestões e material será 10 de fevereiro de 2019.** Relembramos que os conteúdos das comunicações técnicas publicadas no Boletim são de inteira responsabilidade de seus autores.

Alfredo Jr. Paiola Albrecht

André Felipe Moreira Silva

Arthur Arrobas Martins Barroso

Leandro Paiola Albrecht

EDITORES

[Volta ao índice](#)

Sociedade Brasileira da Ciência das Plantas Daninhas – SBCPD

Complexo Empresarial Oscar Fuganti.

Rua Santa Catarina, 50 - 13º andar - sala 1302. CEP: 86010-470

Fone/Fax (43)3344-3364. Londrina – PR www.sbcpd.org