



[Environment Horticulture Program Research Summaries](#)

IR-4 Environmental Horticulture Program Oxadiazon Crop Safety

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Acknowledgements

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Abstract

Oxadiazon has been registered in the United States since the 1970's for uses in and around environmental horticulture plants in production nurseries and in landscapes. Between 1972 and 2021, the IR-4 Project has conducted over 724 trials on 184 plant species or genera using various oxidation formulations: Ronstar 2G, Oxadiazon 4G, Oxadiazon 5G, Ronstar 2EC, Ronstar 50WP/WSP, Ronstar 75WP, and Ronstar Flo. This report is a summary of all the available data generated through IR-4 since screenings began in 1972.

For granular formulations of oxadiazon, fifty-eight (58) plant species or genera exhibited no or minimal, transitory phytotoxicity to over the top broadcast applications; thirty of these are already in the current Ronstar 2G label. Four species had no or little transient impact with applications at the low rate tested, but impacts were observed at higher rates sufficient for plants to not be marketable. Ten species exhibited significant injury at the 1X rate. For 117 crops, more information is needed because outcomes were variable among tested locations or because only 1 or 2 trials were conducted. Forty-six of these crops are already in the current Ronstar 2G label. Most of the regulatory activity occurred prior to or during the 1990s.

For Oxadiazon EC, five plant genera had no to minimal transitory injury after over the top applications. Three crops were variable in their response either due to species, cultivar or location differences. For 19 genera/species, more information is needed since less than 3 trials were conducted; of these, four crops are already on the Ronstar WSP or Ronstar Flo labels.

With wettable powder or flowable formulations, four plant species or genera exhibited no or minimal, transitory phytotoxicity to over the top applications; all are already in the current Ronstar Flo or 50WP labels. One crop, (*Sedum spurium*), was injured after applications. For 32 genera/species, more information is needed either because only 1 or 2 trials were conducted or because consistent results were not achieved among the research sites. Seven of these crops are already in the current Ronstar Ronstar Flo or 50WP/50WSP labels. The remaining crops exhibited no or minimal transitory injury. Most of the regulatory activity occurred prior to or during the 1990s

Introduction

Oxadiazon has been registered in the United States since the 1970's for uses in and around environmental horticulture plants in production nurseries and in landscapes. Between 1972 and 2019, the IR-4 Project has conducted over 657 trials on 234 plant species or genera using mainly three granular formulations: mainly Ronstar 2G, and Oxadiazon 5G, and OH 2G; and four sprayable formulations: mainly Ronstar 75WP and 2EC, 50WP and FLO. This report is a summary of all the available data generated through IR-4 since 1972. While oxadiazon granular labels in the United States are fairly broad with many listed crops, this document may lead to amendments placing new crops on these labels as well as on the sprayable formulations.

Materials and Methods

Because this research was conducted over several years with different protocols, application rates and whether repeat applications were made varied. Rates ranged from 2 to 16 lb ai per acre and either one or more applications were made. Typically, treatment was applied over the top 1-2 times at 2.0, 4.0 and 8.0 lb ai per acre, plus an untreated Check. A minimum of three plants (replicate treatments) were required with many researchers exceeding this minimum. Phytotoxicity was generally recorded on a scale of 0 to 10 (0 = no phytotoxicity; 10 = complete kill) at various intervals after application.

Oxadiazon formulations were supplied to researchers (See list of researchers in Appendix 1) by Rhodia, Rhone-Poulenc and Bayer.

For IR-4 testing, the following protocols were used: 16-010, 18-012 and 19-012. Please visit <https://www.ir4project.org/ehc/ehc-registration-support-research/env-hort-researcher-resources/#Protocols> to view and download these protocols.

Results and Summary

Based on the type and nature of injury seen with Oxadiazon applications, tested plant species were placed into five categories: 1) no significant phytotoxicity or growth differences from the untreated check or any injury was transitory, 2) no or minimal transitory injury seen at the low rates, but higher rates caused significant phytotoxicity and/or growth reduction, 3) significant injury sufficient to recommend growers not utilize this product, and 4) more data is needed to make informed recommendations because outcomes varied among sites, and 5) less than three trials have been conducted by IR-4.

Phytotoxicity of Oxadiazon Granular Formulations

Fifty-eight (58) plant species or genera exhibited no or minimal, transitory phytotoxicity to over the top applications of four granular formulations: Ronstar 2G, OH 2G, Oxadiazon 4G and Oxadiazon 5G; thirty of these are already in the current Ronstar 2G label (Table 1). Four species had no or little transient impact with applications at the low rate tested, but impacts were observed at higher rates sufficient for plants to not be marketable. Ten species exhibited significant injury at the 1X rate (Table 3). For 10 crops, more information is needed because outcomes were variable among tested locations (Table 4). For 107 genera/species, more information is needed either because only 1 or 2 trials were conducted (Table 5). Forty-six of these crops are already in the current Ronstar 2G label; three species/genera showed some injury while the remaining crops exhibited no or minimal transitory injury.

Phytotoxicity of Oxadiazon Sprayable Formulations

Because EC formulations often cause injury due to their solvents, Oxadiazon EC is examined separately from the other sprayable formulations. Five plant genera had no to minimal transitory injury after over the top applications of Oxadiazon EC (Table 6). Three crops were variable in their response either due to species, cultivar or location differences. For 19 genera/species, more information is needed since less than 3 trials were conducted (Table 10); of these, four crops are already on the Ronstar WSP or Ronstar Flo labels.

Four plant species or genera exhibited no or minimal, transitory phytotoxicity to over the top applications of four sprayable formulations: mainly Ronstar 75WP, Ronstar 50WP/50WSP and Ronstar Flo; all are already in the current Ronstar Flo or 50WP labels (Table 11). One crop, (*Sedum spurium*), was injured after applications (Table 13). For 32 genera/species, more information is needed either because only 1 or 2 trials were conducted or because consistent results were not achieved among the research sites (Table 15). Seven of these crops are already in the current Ronstar Ronstar Flo or 50WP/50WSP labels. The remaining crops exhibited no or minimal transitory injury.

Please see Table 16, Table 17, and Table 18 for a list of research and a summary of the individual trial results with Oxadiazon granular and sprayable formulations.

Table 1. List of Oxadiazon G formulations treated crops with no or minimal transitory injury.

<i>Abelia grandiflora</i>	<i>Euonymus</i> sp.	<i>Pinus</i> spp. ¹
<i>Acer</i> spp. ¹	<i>Fatsia japonica</i>	<i>Pittosporum tobira</i> ¹
<i>Ageratum houstonianum</i>	<i>Forsythia intermedia</i> ¹	<i>Podocarpus macrophyllus</i> ¹
<i>Ageratum</i> sp.	<i>Forsythia</i> sp.	<i>Portulaca grandiflora</i>
<i>Buxus microphylla</i> ¹	<i>Gaillardia grandiflora</i>	<i>Pyracantha coccinea</i> ¹
<i>Buxus</i> sp.	<i>Gardenia jasminoides</i> ¹	<i>Quercus</i> spp. ¹
<i>Campanula</i> sp.	<i>Gardenia</i> sp.	<i>Rhaphiolepis indica</i>
<i>Clematis</i> spp.	<i>Gypsophila</i> sp	<i>Rhododendron</i> spp. (azalea) ¹
<i>Cleyera japonica</i> ¹	<i>Hedera helix</i> ¹	<i>Rhododendron</i> spp.
<i>Cornus florida</i> ¹	<i>Ilex</i> spp. ¹	(rhododendron) ¹
<i>Cornus stonelifera</i> ¹	<i>Juniperus</i> spp. ¹	<i>Rosa</i> spp. ¹
<i>Cotoneaster</i> spp. ¹	<i>Ligustrum</i> spp. ¹	<i>Salvia x sylvestris</i>
<i>Cupressus</i> spp. ¹	<i>Lagostremia indica</i> ¹	<i>Sedum acre</i>
<i>Dianthus barbatus</i> ¹	<i>Malus</i> spp. ¹	<i>Sedum rupestre</i>
<i>Dianthus caryophyllus</i> ¹	<i>Myrtus communis</i> ¹	<i>Tagetes</i> sp.
<i>Dianthus gratianopolitanus</i>	<i>Nandina domestica</i> ¹	<i>Taxus cuspidata</i> ¹
<i>Dianthus</i> sp.	<i>Pennisetum</i> sp.	<i>Tsuga</i> sp.
<i>Digitalis</i> sp.	<i>Penstemon</i> sp.	<i>Wisteria</i> sp.
<i>Euonymus fortunei</i> ¹	<i>Photinia</i> sp.	
<i>Euonymus japonica</i>	<i>Pieris japonica</i> ¹	

¹ Already registered for Ronstar 2G

Table 2. List of Oxadiazon G formulations treated crops with no or minimal transitory injury seen at the 1X rate, but the 2X or 4X rate did cause significant phytotoxicity

<i>Aucuba japonica</i>	<i>Canna</i> sp.
<i>Aucuba</i> sp.	<i>Cortaderia</i> sp.

Table 3. List of Oxadiazon G formulations treated crops exhibiting significant injury.

<i>Alyssum maritima</i>	<i>Dichondra repens</i>	<i>Rhodiola pachyclados</i>
<i>Antirrhinum majus</i>	<i>Impatiens</i> sp.	<i>Viola</i> sp.
<i>Solenostromen/Coleus</i> sp.	<i>Petunia hybrida</i>	
<i>Crocus</i> sp.	<i>Narcissus</i> sp.	

Table 4. List of Oxadiazon G formulations treated crops where more information is needed.

<i>Buddleia alternifolia</i> ¹	<i>Liriope spicata</i>	<i>Sedum hybridum</i>
<i>Hemerocallis</i> sp.	<i>Phlox paniculata</i>	<i>Sedum kamtschaticus</i>
<i>Liriope muscari</i>	<i>Phlox subulata</i> ¹	
<i>Liriope</i> sp.	<i>Salvia splendens</i>	

¹ Already registered for Ronstar 2G

² Injury observed on crop

Table 5. List of Oxadiazon G formulations treated crops with less than 3 trials.

<i>Achillea millefolium</i>	<i>Escallonia fradesi</i> ¹	<i>Pelargonium</i> sp. ²
<i>Achillea tomentosa</i>	<i>Eucalyptus nicholii</i> ¹	<i>Phalaris arundinacea</i>
<i>Agapanthus africanus</i> ¹	<i>Eucalyptus sideroxylon</i> ¹	<i>Picea pungens</i> ¹
<i>Agapanthus</i> sp.	<i>Euonymus kiautschovicus</i> ¹	<i>Poa pratense</i>
<i>Agastache rupestris</i>	<i>Fallugia paradoxa</i> ¹	<i>Potentilla tabernaemontani</i>
<i>Ajuga reptans</i> ¹	<i>Festuca glauca</i>	<i>Prunus</i> sp.
<i>Amaryllis</i> sp.	<i>Gaillardia aristata</i> ^{1 2}	<i>Punica granatum</i> ¹
<i>Anemone pulsatilla</i>	<i>Gazania linearis</i>	<i>Pyracantha fortuneana</i>
<i>Antennaria parvifolia</i>	<i>Ginkgo biloba</i> ¹	<i>Pyracantha koidzumii</i>
<i>Aquilegia</i> sp.	<i>Hedera canariensis</i> ¹	<i>Pyrus communis</i>
<i>Asparagus virgatus</i>	<i>Helleborus orientalis</i>	<i>Rhamnus</i> sp.
<i>Callirhoe involucrate</i>	<i>Hibiscus rosa-sinensis</i> ¹	<i>Rhodiola pachyclados</i>
<i>Callistemon citrinus</i>	<i>Hosta lancifolia</i>	<i>Rumohra adiantiformis</i>
<i>Calluna</i> sp.	<i>Hosta</i> sp.	<i>Ruscus aculeatus</i>
<i>Camellia japonica</i> ¹	<i>Hydrangea macrophylla</i>	<i>Sedum album</i> ¹
<i>Carissa macrocarpa</i> ¹	<i>Hylotelephium telephium</i>	<i>Sedum brevifolium</i> ²
<i>Carpobrotus edule</i> ¹	<i>Justicia brandegeana</i> ¹	<i>Scabiosa caucasica</i>
<i>Ceanothus maritimus</i>	<i>Kalmia latifolia</i>	<i>Sequoia sempervirens</i>
<i>Cerastium tomentosum</i>	<i>Koeleruteria paniculata</i> ¹	<i>Stachys byzantina</i> ¹
<i>Chaenomeles japonica</i>	<i>Leucothoe axillaris</i> ¹	<i>Syringa vulgaris</i> ¹
<i>Chrysanthemum/Dendranthe</i>	<i>Leucothoe catesbaei</i> ¹	<i>Syzygium paniculatum</i> ¹
<i>ma morifolium</i> ¹	<i>Leucothoe</i> sp.	<i>Taxodium distichum</i> ¹
<i>Coreopsis lanceolata</i> ¹	<i>Liatris spicata</i> ¹	<i>Thuja occidentalis</i> ¹
<i>Cornus serica</i>	<i>Lilium</i> sp.	<i>Thymus pseudolanuginosus</i> ¹
<i>Cytisus purgans</i>	<i>Limonium</i> sp.	<i>Trachelospermum</i>
<i>Dahlia</i> sp. ¹	<i>Liquidambar</i> sp.	<i>jasminoides</i> ¹
<i>Delosperma alba</i>	<i>Lonicera tatarica</i> ¹	<i>Veronica incana</i>
<i>Delosperma nubigenum</i>	<i>Magnolia</i> spp. ¹	<i>Veronica spicata</i> ¹
<i>Delphinium</i> sp.	<i>Mahonia aquifolium</i> ¹	<i>Viburnum opulus</i> ¹
<i>Diascia integerrima</i>	<i>Nerium oleander</i> ¹	<i>Viburnum</i> sp. ¹
<i>Dodonaea viscosa</i> ssp.	<i>Ophiopogon japonicas</i>	<i>Vinca major</i> ¹
<i>cuneata</i>	<i>Osmanthus fortunei</i>	<i>Vinca minor</i> ¹
<i>Elaeagnus macrophylla</i>	<i>Osteospermum barberi</i>	<i>Viola wittrockiana</i>
<i>Elaeagnus pungens</i>	<i>compactum</i>	<i>Weigela</i> sp.
<i>Epilobium canum</i>	<i>Osteospermum</i> sp.	<i>Xylosma x congestum</i> ¹
<i>angustifolium</i>	<i>Othonna capensis</i> ¹	<i>Zinnia</i> sp.
<i>Epilobium fleischeri</i> ¹	<i>Pachysandra terminalis</i> ¹	
<i>Erica</i> sp.	<i>Paeonia</i> sp. ¹	

¹ Already registered for Ronstar 2G

² Injury observed on crop

Table 6. List of Oxadiazon EC formulations treated crops with no or minimal transitory injury.

<i>Buxus sp.</i>	<i>Pinus sp.</i>
<i>Ilex sp.</i>	<i>Viburnum sp.</i>
<i>Juniperus sp.</i>	

Table 7. List of Oxadiazon EC formulations treated crops with no or minimal transitory injury seen at the 1X rate, but the 2X or 4X rate did cause significant phytotoxicity

None

Table 8. List of Oxadiazon EC formulations treated crops exhibiting significant injury.

None

Table 9. List of Oxadiazon EC formulations treated crops where more information is needed.

<i>Liriope sp.</i>	<i>Rhodoendron sp.</i> (azalea)
<i>Pittosporum sp.</i>	

Table 10. List of Oxadiazon EC formulations treated crops with less than 3 trials.

<i>Abelia grandiflora</i>	<i>Cupressus sempervirens</i> ¹	<i>Podocarpus macrophyllus</i>
<i>Aucuba japonica</i>	<i>Eucalyptus sp.</i>	<i>Pyracantha sp.</i>
<i>Cerantonis siliqua</i>	<i>Euonymus sp.</i>	<i>Thuja occidentalis</i> ¹
<i>Cleyera japonica</i>	<i>Gardenia sp.</i>	<i>Tsuga canadensis</i>
<i>Cortaderia sp.</i>	<i>Ligustrum sp.</i>	<i>Xylosoma sp.</i>
<i>Cotoneaster parneyi</i>	<i>Limonium sinuatum</i> ¹	
<i>Cupressus arizonica</i> ¹	<i>Photinia sp.</i>	

¹ Already registered for Ronstar 50WSP or Ronstar Flo

² Injury observed on crop

Table 11. List of Oxadiazon WP and Liquid formulations treated crops with no or minimal transitory injury.

*Ilex sp.*¹

*Juniperus sp.*¹

*Limonium tatarica*¹

*Pinus sp.*¹

Table 12. List of Oxadiazon WP and Liquid formulations treated crops with no or minimal transitory injury seen at the 1X rate, but the 2X or 4X rate did cause significant phytotoxicity

None

Table 13. List of Oxadiazon WP and Liquid formulations treated crops exhibiting significant injury.

Sedum spurium

Table 14. List of Oxadiazon WP and Liquid formulations treated crops where more information is needed.

None

Table 15. List of Oxadiazon WP and Liquid formulations treated crops with less than 3 trials.

Acer tataricum

Ajuga reptans

Aquilegia x hybrid

Arctostaphylos stanfordiana

Anemone pulsatilla

Betula sp.

*Buxus microphylla*¹

Cotoneaster parneyi

Coreopsis sp.

*Cupressus arizonica*¹

*Cupressus sempervirens*¹

Dahlia

Doronicum cordatum

Forsythia intermedia

Gaillardia aristata

*Gypsophila paniculata*¹

Hemerocallis sp.

Hosta sp.

Iris sp.

Kalmia latifolia

Ligustrum japonicum

Magnolia stellata

Philadelphus virginalis

Protea sp.

Pseudotsuga menziesii

Quercus alba

Rhododendron sp.

Schefflera sp.

*Taxus cuspidata*¹

*Thuja occidentalis*¹

Tilia sp.

Tsuga canadensis

¹ Already registered for Ronstar 50WP/50WSP or Ronstar Flo

² Injury observed on crop

Table 16. Detailed Summary of Crop Safety Testing with Oxadiazon Granular Formulations

Notes: Table entries are sorted by crop Latin name. Only those trials with research reports received by 9/9/2022 are listed below.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
01096	Chipco Ronstar 2G (Oxadiazon)	Abelia (Abelia sp.) A. grandiflora	Field Container	Cohen	NC	1975	Broadcast	Trial 1: No injury at 4 and 6 lb ai per acre.
01096	Chipco Ronstar 2G (Oxadiazon)	Abelia (Abelia sp.) A. grandiflora	Field Container	Cohen	NC	1975	Broadcast	Trial 2: No injury at 4 and 6 lb ai per acre.
01096	Chipco Ronstar 2G (Oxadiazon)	Abelia (Abelia sp.) A. grandiflora	Field Container	Cohen	NC	1976	Broadcast	No injury at 6 and 8 lb ai per acre.
26930	Chipco Ronstar 2G (Oxadiazon)	Abelia (Abelia sp.) A. grandiflora	Field In-Ground	Cohen	NC	1977	Broadcast	No significant impact on root percentage or root quality at 4 and 6 lb ai per acre.
05741	Chipco Ronstar 2G (Oxadiazon)	Maple (Acer sp.) A. palmatum	Field Container	Badiei	OR	1982	Broadcast	No injury with 2, 4, 8, and 16 lb ai per acre.
05742	Chipco Ronstar 2G (Oxadiazon)	Maple (Acer sp.) A. ginnala	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
05742	Chipco Ronstar 2G (Oxadiazon)	Maple (Acer sp.) A. ginnala	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
05742	Chipco Ronstar 2G (Oxadiazon)	Maple (Acer sp.)	Field In-Ground	Cohen	NC	1975	Broadcast	Cabarrus County: No visible injury at 6 and 8 lb ai per acre on established trees; moderate control of white-heath aster, prickly lettuce and crimson clover with excellent control of plaintain at both rates.
05742	Chipco Ronstar 2G (Oxadiazon)	Maple (Acer sp.)	Field In-Ground	Cohen	NC	1975	Broadcast	Pender County: No visible injury at 6 and 8 lb ai per acre of established trees; moderate control of annual nutsedge and dogfennel.
05742	Chipco Ronstar 2G (Oxadiazon)	Maple (Acer sp.) A. tartaricum	Field In-Ground	Klett	CO	1989	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
05741	Chipco Ronstar 2G (Oxadiazon)	Maple (Acer sp.)	Field Container	Skroch	NC	1984	Broadcast	No injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
00052	Chipco Ronstar 2G (Oxadiazon)	Yarrow, Common (Achillea millefolium)	Field Container	Klett	CO	1991	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
00052	Chipco Ronstar 2G (Oxadiazon)	Yarrow, Common (Achillea millefolium) A. tomentosa	Field Container	Klett	CO	1993	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26873	Chipco Ronstar 2G (Oxadiazon)	Lily-Of-The-Nile (Agapanthus sp.)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
26873	Chipco Ronstar 2G (Oxadiazon)	Lily-Of-The-Nile (Agapanthus sp.) A. africanus	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
18707	Chipco Ronstar 2G (Oxadiazon)	Giant Hyssop, Sunset (Agastache rupestris)	Field Container	Klett	CO	1999	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
18707	Chipco Ronstar 2G (Oxadiazon)	Giant Hyssop, Sunset (Agastache rupestris)	Field Container	Klett	CO	2000	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
08329	Chipco Ronstar 2G (Oxadiazon)	Agave (Agave sp.)	Field Container	Badiei	OR	1983	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
05510	Chipco Ronstar 2G (Oxadiazon)	Ageratum (Ageratum sp.) A. houstonianum 'Blue Blazer'	Field In-Ground	Badiei	OR	1980	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre. Good to excellent efficacy increasing with rate.
05510	Chipco Ronstar 2G (Oxadiazon)	Ageratum (Ageratum sp.) A. houstonianum 'Blue Blazer'	Field In-Ground	Elmore	CA	1979	Broadcast	No significant injury at 2, 3, 8 and 16 lb ai per acre. Good control of pigweed, sowthistle, purslane hairy nightshade.
05510	Chipco Ronstar 2G (Oxadiazon)	Ageratum (Ageratum sp.) A. houstonianum 'Blue Blazer'	Field In-Ground	Fretz	OH	1979	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre. Oxadiazon 4G
05510	Chipco Ronstar 2G (Oxadiazon)	Ageratum (Ageratum sp.)	Field In-Ground	Williams	IL	1979	Broadcast	No significant injury at 2, 4, 8 and 16 lb ai per acre. Good control of unspecified weeds.
11862	Chipco Ronstar 2G (Oxadiazon)	Carpet Bugleweed (Ajuga reptans)	Field In-Ground	Bing	NY	1977	Broadcast	No significant injury at 2, 4, and 8 lb ai per acre on newly transplanted liners; excellent control of grass and broadleaves including crabgrass, stinkgrass, common purslane, red root pigweed, and carpetweed.
09964	Chipco Ronstar 2G (Oxadiazon)	Carpet Bugleweed (Ajuga reptans)	Field Container	Skroch	NC	1982	Broadcast	Virtually no injury at 4 lb ai per acre.
05564	Chipco Ronstar 2G (Oxadiazon)	Madwort (Alyssum sp.) A. maritima 'Carpet of Snow'	Field In-Ground	Elmore	CA	1979	Broadcast	Moderate injury at 2, 4 and 8 lb ai per acre; excellent efficacy of pigweed, sowthistle, purslane, and hairy nightshade.
05564	Chipco Ronstar 2G (Oxadiazon)	Madwort (Alyssum sp.) A. maritima 'Royal Carpet'	Field In-Ground	Elmore	CA	1979	Broadcast	No significant injury at 2, 4 and 8 lb ai per acre; great efficacy of sowthistle, purslane, hairy nightshade and shepherd's purse.
05564	Chipco Ronstar 2G (Oxadiazon)	Madwort (Alyssum sp.) A. maritima 'Royal Carpet'	Field In-Ground	Elmore	CA	1979	Broadcast	Severe injury at 2, 4 and 8 lb ai per acre; excellent efficacy of purslane, annual bluegrass, hairy nightshade, pigweed, annual blue poa, sowthistle, and shepherd's purse.
27526	Chipco Ronstar 2G (Oxadiazon)	Amaryllis (Amaryllis sp.)	Field In-Ground	Meister	FL	1983	Broadcast	Excellent control of cudweed, fume root, red sorrel, and lambsquarter; no injury after single application of 4 and 8 lb ai per acre, but 25% mortality after second application.
11159	Chipco Ronstar 2G (Oxadiazon)	Anemone (Anemone sp.) A. pulsatilla	Field Container	Linderman	OR	1992	Broadcast	No injury at 4 and 8 lb ai per acre.
11311	Chipco Ronstar 2G (Oxadiazon)	Pussy-Toes, Small-leaf (Antennaria parvifolia) A. parvifolia	Field Container	Klett	CO	1993	Broadcast	No phytotoxicity data was taken because of poor plant health.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
05616	Chipco Ronstar 2G (Oxadiazon)	Garden Snapdragon (<i>Antirrhinum majus</i>) 'Tetra'	Field In-Ground	Elmore	CA	1979	Broadcast	Moderate to high injury increasing with rates (2, 4 and 8 lb ai per acre).
05616	Chipco Ronstar 2G (Oxadiazon)	Garden Snapdragon (<i>Antirrhinum majus</i>)	Field In-Ground	Talbert	AR	1980	Broadcast	Slight to moderate injury increasing over time with 4 lb ai per acre; excellent control of crabgrass, pigweed and purslane.
21809	Chipco Ronstar 2G (Oxadiazon)	Columbine (<i>Aquilegia</i> sp.) <i>A. caerulea</i> 'McKana's Giant'	Field Container	Klett	CO	1994	Broadcast	No injury or growth reduction with 4 and 8 lb ai per acre
21809	Chipco Ronstar 2G (Oxadiazon)	Columbine (<i>Aquilegia</i> sp.) 'McKana Star'	Field Container	Linderman	OR	1992	Broadcast	No injury at 4 and 8 lb ai per acre.
11289	Chipco Ronstar 2G (Oxadiazon)	Fern, Tree (<i>Asparagus virgatus</i>)	Field In-Ground	Stamps	FL	1992	Broadcast	
11288	Chipco Ronstar 2G (Oxadiazon)	Cast-Iron Plant, Ker-Gawl (<i>Aspidistra elatior</i>)	Field In-Ground	Stamps	FL	1992	Broadcast	No injury with 2 and 4 lb ai per acre.
00917	Chipco Ronstar 2G (Oxadiazon)	Aucuba (<i>Aucuba</i> sp.) <i>A. japonica</i>	Field Container	Currey	FL	1979	Broadcast	No injury at 4 and 8 lb ai per acre; excellent control of <i>Phyllanthus</i> , <i>Dactyloctenium aegyptium</i> , <i>Digitaria ciliaries</i> , and <i>oxalis</i> .
00917	Chipco Ronstar 2G (Oxadiazon)	Aucuba (<i>Aucuba</i> sp.)	Field Container	Phatak	GA	1978	Broadcast	Slight to moderate injury increasing with rate (2, 4, 8, and 16 lb ai per acre).
00917	Chipco Ronstar 2G (Oxadiazon)	Aucuba (<i>Aucuba</i> sp.)	Field Container	Phatak	GA	1980	Broadcast	Slight injury at 2, 4 and 8, moderate at 16 lb ai per acre.
00917	Chipco Ronstar 2G (Oxadiazon)	Aucuba (<i>Aucuba</i> sp.) <i>A. japonica</i> <i>variegata</i>	Field Container	Skroch	NC	1981	Broadcast	Excellent control of <i>oxalis</i> and <i>cardimine</i> ; no injury at 2 lb ai per acre.
20141	Chipco Ronstar 2G (Oxadiazon)	Butterfly Bush, Silver (<i>Buddleia alternifolia</i>) 'Argentea'	Field Container	Klett	CO	2000	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
20141	Chipco Ronstar 2G (Oxadiazon)	Butterfly Bush, Silver (<i>Buddleia alternifolia</i>) 'Argentea'	Field Container	Klett	CO	2001	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26929	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.) <i>B. microphylla</i>	Field In-Ground	Cohen	NC	1976	Broadcast	No injury at 5 and 7 lb ai per acre; excellent control of foxtail but poor control of ragweed.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.) <i>B. microphylla</i>	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.) <i>B. microphylla</i> 'japonica'	Field Container	Elmore	CA	1972	Broadcast	No significant impact on growth at 1 and 2 lb ai per acre; good control of common groundsel.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.) <i>B. microphylla</i>	Field Container	Elmore	CA	1975	Broadcast	No injury at 2, 4, and 8 lb ai per acre.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.) <i>B. microphylla</i>	Field Container	Elmore	CA	1975	Broadcast	No injury at 4 and 8 lb ai per acre.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.) <i>B. microphylla</i> 'japonica'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (<i>Buxus</i> sp.)	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, 8, and 16 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (Buxus sp.)	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2, 4, 8 and 16 lb ai per acre.
03692	Chipco Ronstar 2G (Oxadiazon)	Boxwood (Buxus sp.)	Field Container	Phatak	GA	1978	Broadcast	No to slight injury increasing with rate (2, 4, 8, 16 lb ai per acre).
11787	Chipco Ronstar 2G (Oxadiazon)	Poppymallow, Purple; Winecup (Callirhoe involucrata)	Field Container	Klett	CO	1995	Broadcast	No visible injury or impact on dry weights with 2 and 4 lb ai per acre.
26874	Chipco Ronstar 2G (Oxadiazon)	Bottlebrush (Callistemon sp.) C. citricus	Field Container	Elmore	CA	1977	Broadcast	No significant growth reduction at 1 and 2 lb ai per acre.
26874	Chipco Ronstar 2G (Oxadiazon)	Bottlebrush (Callistemon sp.) C. citrinus	Field Container	Elmore	CA	1977	Broadcast	No significant injury with 2 lb ai per acre.
05276	Chipco Ronstar 2G (Oxadiazon)	Heather (Calluna sp.)	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
04181	Chipco Ronstar 2G (Oxadiazon)	Camellia (Camellia sp.) C. japonica 'Mathotinia'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre.
04181	Chipco Ronstar 2G (Oxadiazon)	Camellia (Camellia sp.) C. japonica 'Colonel Fiery'	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
09963	Chipco Ronstar 2G (Oxadiazon)	Bellflower (Campanula sp.) C. carpatica	Field Container	Klein	CO	1996	Broadcast	No injury at 4 and 8 lb ai per acre.
09963	Chipco Ronstar 2G (Oxadiazon)	Bellflower (Campanula sp.) C. garganica major	Field Container	Klett	CO	1986	Broadcast	No injury at 4 and 8 lb ai per acre. Excellent control of oxalis, reroot pigweed, yellow foxtail, barnyard grass, and annual bluegrass. Great control of shepherds purse and other broadleaf weeds.
09963	Chipco Ronstar 2G (Oxadiazon)	Bellflower (Campanula sp.) C. persicifolia	Field Container	Klett	CO	1991	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre. Excellent control of pigweed, common groundsel, shepherdspurse, barnyardgrass, yellow foxtail and annual bluegrass.
09963	Chipco Ronstar 2G (Oxadiazon)	Bellflower (Campanula sp.) C. carpatica	Field Container	Klett	CO	1997	Broadcast	No injury at 4 and 8 lb ai per acre.
09963	Chipco Ronstar 2G (Oxadiazon)	Bellflower (Campanula sp.) C. persicifolia 'Blue Bells'	Field Container	Senesac	NY	1996	Broadcast	No injury at 4, 8, or 16 lb ai per acre.
08385	Chipco Ronstar 2G (Oxadiazon)	Canna (Canna sp.)	Field In-Ground	Carpenter	IN	1983	Broadcast	No injury at 4 and 8 lb ai per acre.
08385	Chipco Ronstar 2G (Oxadiazon)	Canna (Canna sp.)	Field In-Ground	Meister	FL	1982	Broadcast	Excellent control of cudweed, fume root, red sorrel, and lambsquarters; no injury at 4 and 8 lb ai per acre.
08385	Chipco Ronstar 2G (Oxadiazon)	Canna (Canna sp.)	Field In-Ground	Smith	OH	1982	Broadcast	Minor to moderate injury increasing with rate (4 and 16 lb ai per acre).
28838	Chipco Ronstar 2G (Oxadiazon)	Natal Plum, Amatungulu (Carissa macrocarpa)	Field Container	Elmore	CA	1977	Broadcast	No significant injury with 2 lb ai per acre.
26908	Chipco Ronstar 2G (Oxadiazon)	Carpobrotus (Carpobrotus sp.) C. edule	Field In-Ground	Elmore	CA	1972	Broadcast	No significant phytotoxicity at 1, 2, and 4 lb ai per acre; good to excellent weed control increasing with rate.

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26880	Chipco Ronstar 2G (Oxadiazon)	Ceanothus (Ceanothus sp.) C. maritimus	Field Container	Elmore	CA	1973	Broadcast	Minor transient injury at 4 lb ai per acre.
11312	Chipco Ronstar 2G (Oxadiazon)	Snow-In-Summer (Cerastium tomentosum)	Field In-Ground	Klett	CO	1993	Broadcast	No injury at 4 and 8 lb ai per acre.
01489	Chipco Ronstar 2G (Oxadiazon)	Flowering Quince (Chaenomeles sp.) C. japonica	Field Container	Badiei	OR	1982	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre.
26883	Chipco Ronstar 2G (Oxadiazon)	Hinoki False Cypress (Chamaecyparis obtusa) C. lawsoniana 'Elwood'	Field Container	Ticknor	OR	1976	Broadcast	No impact on fresh weight at 4 lb ai per acre.
11796	Chipco Ronstar 2G (Oxadiazon)	Hardy Mum (Chrysanthemum/Dendranthema x morifolium) 'Jennifer'	Field Container	Klett	CO	1995	Broadcast	No visible injury at 4 and 8 lb ai per acre; no significant difference in dry weight.
08188	Chipco Ronstar 2G (Oxadiazon)	Leather Flower (Clematis sp.) 'Ramona'	Field Container	Ferree	IL	1993	Over the top	No significant injury at 4 and 8 lb ai per acre.
08188	Chipco Ronstar 2G (Oxadiazon)	Leather Flower (Clematis sp.) C. recta	Field Container	Klett	CO	1989	Over the top	No injury or growth reduction at 4 and 8 lb ai per acre.
08188	Chipco Ronstar 2G (Oxadiazon)	Leather Flower (Clematis sp.) 'Ernest Markham'	Field Container	Smith	OH	1989	Over the top	Slight injury at 4 and 8 lb ai per acre.
01471	Chipco Ronstar 2G (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Currey	FL	1979	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of Phyllanthus, Dactyloctenium aegyptium, Digitaria ciliaris and oxalis.
01471	Chipco Ronstar 2G (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, and 8 lb ai per acre, but reduction in height at 16 lb ai per acre.
01471	Chipco Ronstar 2G (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Glaze	GA	1980	Broadcast	Severe cold caused extensive crop injury.
01471	Chipco Ronstar 2G (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Morgan	TX	1978	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; good weed control.
01471	Chipco Ronstar 2G (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Phatak	GA	1978	Broadcast	Slight to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
01471	Chipco Ronstar 2G (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Schreiber	OH	1988	Broadcast	No injury at 2 and 4 lb ai per acre.
35167	Chipco Ronstar 2G (Oxadiazon)	Coleus, Flamenetle (Coleus sp.)	Field In-Ground	Bing	NY	1983	Broadcast	Moderate injury at 2 and 4 lb ai per acre.
35167	Chipco Ronstar 2G (Oxadiazon)	Coleus, Flamenetle (Coleus sp.) 'Brilliant Mixed'	Field In-Ground	Glaze	GA	1983	Broadcast	Severe injury at 4 and 8 lb ai per acre.
35167	Chipco Ronstar 2G (Oxadiazon)	Coleus, Flamenetle (Coleus sp.) 'Extra Large-Leaved Mixed'	Field In-Ground	Glaze	GA	1983	Broadcast	Severe injury at 4 and 8 lb ai per acre.
11626	Chipco Ronstar 2G (Oxadiazon)	Tickseed (Coreopsis sp.) C. grandiflora 'Early Sunrise'	Field Container	Senesac	NY	1996	Broadcast	No injury with 4, 8, or 16 lb ai per acre.
05746	Chipco Ronstar 2G (Oxadiazon)	Dogwood (Cornus sp.) C. florida	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
05746	Chipco Ronstar 2G (Oxadiazon)	Dogwood (Cornus sp.) C. florida	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
05746	Chipco Ronstar 2G (Oxadiazon)	Dogwood (Cornus sp.) C. stolonifera	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
05746	Chipco Ronstar 2G (Oxadiazon)	Dogwood (Cornus sp.) C. stolonifera	Field In-Ground	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre on newly stuck cuttings; excellent control of grass and broadleaves including purslane, smartweed, and groundsel.
05746	Chipco Ronstar 2G (Oxadiazon)	Dogwood (Cornus sp.) C. stolonifera	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
01473	Chipco Ronstar 2G (Oxadiazon)	Dogwood (Cornus sp.) C. serica	Field Container	Fretz	OH	1977	Broadcast	No injury at 2 and 4 lb ai per acre, but minor transient injury with 8 and 16 lb ai per acre.
06821	Chipco Ronstar 2G (Oxadiazon)	Pampas Grass (Cortaderia sp.) C. selloana	Field Container	Currey	FL	1979	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of Phyllanthus, Dactyloctenium aegyptium, Digitaria ciliaris and oxalis.
06821	Chipco Ronstar 2G (Oxadiazon)	Pampas Grass (Cortaderia sp.)	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, 8, and 16 lb ai per acre; although the 16 lb ai per acre rate treated plants were not marketable. Raw data in file 19800202m.pdf
06821	Chipco Ronstar 2G (Oxadiazon)	Pampas Grass (Cortaderia sp.)	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2 and 4, moderate at 8 and 16 lb ai per acre.
06821	Chipco Ronstar 2G (Oxadiazon)	Pampas Grass (Cortaderia sp.)	Field Container	Phatak	GA	1978	Broadcast	Slight to moderate injury increasing with rate (2, 4, 8, 16 lb ai per acre).
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. apiculata	Field Container	Ahrens	CT	1977	Broadcast	No significant injury at 4, 8, and 16 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri 'Skogholm'	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. microphylla	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri	Field Container	Creager	MD	1979	Broadcast	Slight but transient injury at 2 and 4 lb ai per acre rates, but other rates (8 and 16 lb ai per acre) exhibited no damage.

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01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri 'Lowfast'	Field Container	Creager	MD	1980	Broadcast	No injury at 2, 4, 8. and 16 lb ai per acre; excellent control of bittercress, large crabgrass and oxalis.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. parneyi	Field Container	Elmore	CA	1972	Broadcast	Great control of annual bluegrass at 4 and 6 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. glaucophylla	Field Container	Elmore	CA	1975	Broadcast	No injury at 4 and 8 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. apiculata	Field Container	Fretz	OH	1977	Broadcast	No injury at 2 and 4 lb ai per acre, but moderate transient injury at 8 and 16 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri 'Lowfast'	Field Container	Ryan	WA	1975	Broadcast	No injury at 3 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. horizontalis 'Emerald Spray'	Field Container	Skroch	NC	1981	Broadcast	Excellent control of oxalis and cardimine; no injury at 2 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri	Field Container	Ticknor	OR	1976	Broadcast	No impact on fresh weight at 4 lb ai per acre.
01474	Chipco Ronstar 2G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
08386	Chipco Ronstar 2G (Oxadiazon)	Crocus (Crocus sp.)	Field In-Ground	Carpenter	IN	1983	Broadcast	Severe injury and plant death at 4 and 8 lb ai per acre.
08386	Chipco Ronstar 2G (Oxadiazon)	Crocus (Crocus sp.)	Field In-Ground	Smith	OH	1982	Broadcast	Severe injury at 4 and 16 lb ai per acre.
01480	Chipco Ronstar 2G (Oxadiazon)	Cypress (Cupressus sp.) C. arizonica	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercress.
01480	Chipco Ronstar 2G (Oxadiazon)	Cypress (Cupressus sp.) C. sempervirens	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercress.
01480	Chipco Ronstar 2G (Oxadiazon)	Cypress (Cupressus sp.) C. sempervirens 'Glaucal'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
20138	Chipco Ronstar 2G (Oxadiazon)	Spanish Gold Broom (Cytisus purgans) 'Spanish Gold'	Field Container	Klett	CO	2000	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
11844	Chipco Ronstar 2G (Oxadiazon)	Dahlia (Dahlia sp.)	Field Container	Klett	CO	1990	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26909	Chipco Ronstar 2G (Oxadiazon)	Ice Plant, White (Delosperma alba)	Field In-Ground	Elmore	CA	1972	Broadcast	Slight to moderate transient phytotoxicity increasing with rate (1, 2, 4 lb ai per acre); good to excellent weed control increasing with rate.
11793	Chipco Ronstar 2G (Oxadiazon)	Hardy Ice Plant, Yellow Ice Plant (Delosperma nubigenum)	Field Container	Klett	CO	1995	Broadcast	No injury at 4 lb ai per acre but slight transient at 8 lb ai per acre.
12193	Chipco Ronstar 2G (Oxadiazon)	Larkspur (Delphinium sp.) D. grandiflorum 'Blue Butterfly'	Field Container	Linderman	OR	2002	Broadcast	No injury at 4 and 8, moderate stunting at 16 lb ai per acre.
12193	Chipco Ronstar 2G (Oxadiazon)	Larkspur (Delphinium sp.) D. x elatum 'Pacific Hybrid Giants'	Field Container	Senesac	NY	1996	Broadcast	No visible injury at 4 lb ai per acre, but minor transient at 8 and 16 lb ai per acre; all rates reduced fresh weight.

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11845	Chipco Ronstar 2G (Oxadiazon)	Sweet William (<i>Dianthus barbatus</i>)	Field Container	Klett	CO	1985	Broadcast	No injury or growth reduction at 2 and 4 lb ai per acre.
05622	Chipco Ronstar 2G (Oxadiazon)	Carnation (<i>Dianthus caryophyllus</i>) 'Improved White Sims'	Greenhouse	Monaco	NC	1977	Broadcast	Excellent pre-emergent control of oxalis and morning glory; no injury at 2, 4, 8 and 16 lb ai per acre.
05622	Chipco Ronstar 2G (Oxadiazon)	Carnation (<i>Dianthus caryophyllus</i>) 'Scania'	Greenhouse	Monaco	NC	1977	Broadcast	Asheville, NC: Good pre-emergent control of oxalis and morning glory; no injury at 4 lb ai per acre.
05622	Chipco Ronstar 2G (Oxadiazon)	Carnation (<i>Dianthus caryophyllus</i>) 'Scania'	Greenhouse	Monaco	NC	1977	Broadcast	Asheville, NC: Good pre-emergent control of oxalis and morning glory; no injury at 4 lb ai per acre.
05622	Chipco Ronstar 2G (Oxadiazon)	Carnation (<i>Dianthus caryophyllus</i>) 'Scania'	Greenhouse	Monaco	NC	1977	Broadcast	Raleigh, NC: Good pre-emergent control of oxalis and morning glory; no injury at 4 lb ai per acre.
12140	Chipco Ronstar 2G (Oxadiazon)	Cheddar Pink (<i>Dianthus gratianopolitanus</i>) 'Tiny Rubies'	Field Container	Klett	CO	1996	Broadcast	No injury at 4 and 8 ob ai per acre.
12140	Chipco Ronstar 2G (Oxadiazon)	Cheddar Pink (<i>Dianthus gratianopolitanus</i>) 'Tiny Rubies'	Field Container	Klett	CO	1997	Broadcast	No injury at 4 and 8 lb ai per acre.
12140	Chipco Ronstar 2G (Oxadiazon)	Cheddar Pink (<i>Dianthus gratianopolitanus</i>) 'Tiny Rubies'	Field Container	Senesac	NY	1996	Broadcast	No injury at 4, 8, or 16 lb ai per acre.
05576	Chipco Ronstar 2G (Oxadiazon)	Pink (<i>Dianthus</i> sp.) <i>D. deltoides</i>	Field In-Ground	Badiei	OR	1982	Broadcast	Excellent control of common mustard, purslane, groundsel, and pigweed; no injury at 2, 4, 8, and 16 lb ai per acre.
05576	Chipco Ronstar 2G (Oxadiazon)	Pink (<i>Dianthus</i> sp.)	Field In-Ground	Bing	NY	1983	Broadcast	Slight injury at 4 and 8 lb ai per acre.
05576	Chipco Ronstar 2G (Oxadiazon)	Pink (<i>Dianthus</i> sp.) 'Dwarf Mixed'	Field In-Ground	Elmore	CA	1979	Broadcast	No significant injury at 2, 4 and 8 lb ai per acre.
05576	Chipco Ronstar 2G (Oxadiazon)	Pink (<i>Dianthus</i> sp.) <i>D. barbatus</i>	Field In-Ground	Elmore	CA	1980	Broadcast	No injury at 2, 4 and 8 lb ai per acre.
05576	Chipco Ronstar 2G (Oxadiazon)	Pink (<i>Dianthus</i> sp.) 'Wee Willie Mixed'	Field In-Ground	Glaze	GA	1983	Broadcast	Minor injury with 4 and 8 lb ai per acre.
18708	Chipco Ronstar 2G (Oxadiazon)	Twinspur (<i>Diascia integririma</i>) <i>D. barberae</i>	Field Container	Klett	CO	1999	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
18708	Chipco Ronstar 2G (Oxadiazon)	Twinspur (<i>Diascia integririma</i>) 'Coral Canyon'	Field Container	Klett	CO	2000	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26910	Chipco Ronstar 2G (Oxadiazon)	Dichondra Groundcover (<i>Dichondra repens</i>)	Field In-Ground	Elmore	CA	1972	Broadcast	Significant injury and mortality at all rates (1, 2, 4 lb ai per acre).
11636	Chipco Ronstar 2G (Oxadiazon)	Foxglove (<i>Digitalis</i> sp.) <i>D. mertonensis</i>	Field Container	Gilliam	AL	1999	Broadcast	No injury or growth reduction at 2, 4 and 8 lb ai per acre
11636	Chipco Ronstar 2G (Oxadiazon)	Foxglove (<i>Digitalis</i> sp.)	Field Container	Klett	CO	1994	Broadcast	No injury with 4 and 8 lb ai per acre and no growth reduction.
11636	Chipco Ronstar 2G (Oxadiazon)	Foxglove (<i>Digitalis</i> sp.) <i>D. x mertonensis</i>	Field Container	Linderman	OR	2002	Broadcast	No injury at 4, 8 and 16 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
26875	Chipco Ronstar 2G (Oxadiazon)	Wedge-Leaf Hopbush (<i>Dodonaea viscosa</i> ssp. <i>cuneata</i>) <i>D. viscosa</i> 'Purpurea'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
11152	Chipco Ronstar 2G (Oxadiazon)	False Leopards-Bane (<i>Doronicum</i> sp.) <i>D. cordatum</i>	Field In-Ground	Klett	CO	1994	Broadcast	No injury or growth reduction at 2 and 4 lb ai per acre.
00409	Chipco Ronstar 2G (Oxadiazon)	Russian Olive (<i>Elaeagnus angustifolia</i>) <i>E. macrophylla</i>	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
00409	Chipco Ronstar 2G (Oxadiazon)	Russian Olive (<i>Elaeagnus angustifolia</i>) <i>E. pungens</i> 'Fruitland'	Field Container	Skroch	NC	1981	Broadcast	Excellent control of oxalis and cardimine; no injury at 2 lb ai per acre.
20139	Chipco Ronstar 2G (Oxadiazon)	Hummingbird Trumpet (<i>Epilobium canum</i> ssp. <i>angustifolium</i>)	Field Container	Klett	CO	2000	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
23080	Chipco Ronstar 2G (Oxadiazon)	Alpine Willowherb (<i>Epilobium fleischeri</i>)	Field Container	Klett	CO	2001	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26870	Chipco Ronstar 2G (Oxadiazon)	Heath (<i>Erica</i> sp.)	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
26900	Chipco Ronstar 2G (Oxadiazon)	Redclaws (<i>Escallonia</i> sp.) <i>E. fradesi</i>	Field Container	Elmore	CA	1972	Broadcast	Great control of annual bluegrass at 4 and 6 lb ai per acre.
26872	Chipco Ronstar 2G (Oxadiazon)	Gum (<i>Eucalyptus</i> sp.) <i>E. sideroxylon</i>	Field Container	Elmore	CA	1972	Broadcast	No reduction in plant growth (1 and 2 lb ai per acre).
26872	Chipco Ronstar 2G (Oxadiazon)	Gum (<i>Eucalyptus</i> sp.) <i>E. nicholii</i>	Field Container	Elmore	CA	1973	Broadcast	No injury at 4 lb ai per acre.
05750	Chipco Ronstar 2G (Oxadiazon)	Wintercreeper (<i>Euonymus fortunei</i>) <i>E. fortunei</i> radicans	Field In-Ground	Bing	NY	1977	Broadcast	No significant injury at 2, 4, and 8 lb ai per acre on newly transplanted liners; excellent control of grass and broadleaves including crabgrass, stinkgrass, common purslane, red root pigweed, and carpetweed.
05750	Chipco Ronstar 2G (Oxadiazon)	Wintercreeper (<i>Euonymus fortunei</i>) <i>E. fortunei</i> radicans	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (<i>Euonymus</i> sp.) <i>E. fortunei</i> 'Colorata'	Field Container	Creager	MD	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (<i>Euonymus</i> sp.) <i>E. fortunei</i> 'Longwood'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (<i>Euonymus</i> sp.) <i>E. fortunei</i>	Field Container	Creager	MD	1980	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of bittercress, large crabgrass and oxalis through 2 months.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (<i>Euonymus</i> sp.) <i>E. japonica</i> 'aurea-variegata'	Field Container	Elmore	CA	1972	Broadcast	No significant impact on growth at 1 and 2 lb ai per acre; good control of common groundsel.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (<i>Euonymus</i> sp.)	Field Container	Elmore	CA	1974	Broadcast	No injury with 2 and 4 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. japonica	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. japonica	Field Container	Elmore	CA	1977	Broadcast	No injury with 2 lb ai per acre.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. japonica 'Aureo-variegata'	Field Container	Elmore	CA	1977	Broadcast	No significant injury at 2 and 4 lb ai per acre; great control of spotted spurge and crabgrass.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. kiautschouicus	Field Container	Fretz	OH	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. fortunei 'Emeral Cushion'	Field Container	Ryan	WA	1977	Broadcast	Slight impact on growth at the two higher rates tested (2, 4, and 8 lb ai per acre).
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. fortunei 'Emeral Cushion'	Field Container	Ryan	WA	1977	Broadcast	Slight impact on growth at the two higher rates tested (2, 4, and 8 lb ai per acre).
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. microphylla variegata	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
01485	Chipco Ronstar 2G (Oxadiazon)	Spindletree (Euonymus sp.) E. fortunei 'Vegetus'	Field Container	Williams	IL	1977	Broadcast	Minimal injury increasing with rate (2, 4, 8, 16 lb ai per acre).
23081	Chipco Ronstar 2G (Oxadiazon)	Apache Plume (Fallugia paradoxa)	Field Container	Klett	CO	2001	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
01487	Chipco Ronstar 2G (Oxadiazon)	Fatsia (Fatsia sp.) F. japonica	Field Container	Badiei	OR	1982	Broadcast	No injury with 2, 4, 8, and 16 lb ai per acre.
01487	Chipco Ronstar 2G (Oxadiazon)	Fatsia (Fatsia sp.) F. japonica	Field Container	Badiei	OR	1983	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01487	Chipco Ronstar 2G (Oxadiazon)	Fatsia (Fatsia sp.) F. japonica	Field Container	Currey	FL	1979	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of Phyllanthus, Dactyloctenium aegyptium, Digitaria ciliaries and oxalis.
11780	Chipco Ronstar 2G (Oxadiazon)	Field Fescue (Festuca glauca) 'Sea Urchin'	Field Container	Klett	CO	1995	Broadcast	No injury or growth reduction at 2 and 4 lb ai per acre.
26916	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.) F. intermedia 'Lynwood Gold'	Field In-Ground	Ahrens	CT	1976	Broadcast	No injury at 3 and 6 lb ai per acre; excellent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
26916	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.) F. intermedia 'Lynwood Gold'	Field In-Ground	Ahrens	CT	1977	Broadcast	No injury at 4 and 8 lb ai per acre; excellent control of crabgrass and broadleaved weeds including dandelion.
26916	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.) F. intermedia 'Golden Bells'	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
26916	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.) F. intermedia 'Golden Bells'	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
26916	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.)	Field In-Ground	Bing	NY	1978	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre on newly stuck cuttings; excellent control of grass and broadleaves including purslane, smartweed, and groundsel.
01495	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.) F. intermedia	Field Container	Fretz	CA	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01495	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.) F. x intermedia	Field Container	Skroch	NC	1981	Broadcast	Excellent control of oxalis and cardimine; no injury at 2 lb ai per acre.
01495	Chipco Ronstar 2G (Oxadiazon)	Forsythia (Forsythia sp.) F. 'Spring Glory'	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
02305	Chipco Ronstar 2G (Oxadiazon)	Ash (Fraxinus sp.)	Field Container	Badiei	OR	1983	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
00612	Chipco Ronstar 2G (Oxadiazon)	Ash (Fraxinus sp.)	Field In-Ground	Newman	WI	1983	Broadcast	No injury with 4 and 8 lb ai per acre; excellent control of common lambsquarter, giant and yellow foxtails, ladythmb smartweed and redroot pigweed.
11154	Chipco Ronstar 2G (Oxadiazon)	Blanket Flower (Gaillardia sp.) G. aristata	Field In-Ground	Derr	VA	1994	Broadcast	Slight injury at 4 and 8, moderate at 16 lb ai per acre. Excellent control of carpetweed, cutleaf evening primrose and fall panicum.
11155	Chipco Ronstar 2G (Oxadiazon)	Blanket Flower (Gaillardia sp.) G. aristata	Field Container	Klett	CO	1994	Broadcast	Minor transient injury (necrotic spots) at 4 and 8 lb ai per acre; no impact on growth and plants were commercially acceptable.
11155	Chipco Ronstar 2G (Oxadiazon)	Blanket Flower (Gaillardia sp.) G. grandiflora 'Baby Cole'	Field Container	Klett	CO	1996	Broadcast	No injury at 4 and 8 lb ai per acre; no impact on dry weights or growth.
11155	Chipco Ronstar 2G (Oxadiazon)	Blanket Flower (Gaillardia sp.) G. grandiflora 'Baby Cole'	Field Container	Klett	CO	1997	Broadcast	No injury at 4 and 8 lb ai per acre; no significant impact on dry weights or growth.
11155	Chipco Ronstar 2G (Oxadiazon)	Blanket Flower (Gaillardia sp.) G. grandiflora 'Goblin'	Field Container	Linderman	OR	1992	Broadcast	No injury at 4 and 8 lb ai per acre.
11154	Chipco Ronstar 2G (Oxadiazon)	Blanket Flower (Gaillardia sp.) G. grandiflora	Field In-Ground	Talbert	AR	1993	Broadcast	No significant injury at 4 and 8 lb ai per acre. Control of carpetweed excellent, fair control of fall panicum and goosegrass with 4 lb ai per acre.
11155	Chipco Ronstar 2G (Oxadiazon)	Blanket Flower (Gaillardia sp.) G. grandiflora	Field Container	Talbert	AR	1993	Broadcast	No significant injury at 4 and 8 lb ai per acre.
01051	Chipco Ronstar 2G (Oxadiazon)	Gardenia (Gardenia sp.) G. jasminoides	Field Container	Currey	FL	1979	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of Phyllanthus, Dactyloctenium aegyptium, Digitaria ciliaris and oxalis.
01051	Chipco Ronstar 2G (Oxadiazon)	Gardenia (Gardenia sp.) 'Mystery'	Field Container	Elmore	CA	1974	Broadcast	No injury with 2 and 4 lb ai per acre.

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01051	Chipco Ronstar 2G (Oxadiazon)	Gardenia (Gardenia sp.)	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2, 4, 8 and 16 lb ai per acre.
01051	Chipco Ronstar 2G (Oxadiazon)	Gardenia (Gardenia sp.)	Field Container	Phatak	GA	1978	Broadcast	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
18706	Chipco Ronstar 2G (Oxadiazon)	Gazania (Gazania sp.) G. linearis	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26879	Chipco Ronstar 2G (Oxadiazon)	Maidenhair Tree (Ginkgo biloba)	Field Container	Elmore	CA	1973	Broadcast	No significant injury at 4 lb ai per acre.
27502	Chipco Ronstar 2G (Oxadiazon)	Baby's Breath (Gypsophila paniculata) 'Snowflake'	Field Container	Ferree	IL	1992	Broadcast	No injury at 4 and 8 lb ai per acre
27502	Chipco Ronstar 2G (Oxadiazon)	Baby's Breath (Gypsophila paniculata) G. pacifica	Field Container	Klett	CO	1991	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
27502	Chipco Ronstar 2G (Oxadiazon)	Baby's Breath (Gypsophila paniculata) G. paniculata 'Pink Fairy'	Field Container	Klett	CO	1995	Broadcast	No injury at 4 and 8 lb ai per acre; no significant differences in dry weights or growth.
27502	Chipco Ronstar 2G (Oxadiazon)	Baby's Breath (Gypsophila paniculata) G. paniculata	Field Container	Linderman	OR	1992	Broadcast	No injury at 4 and 8 lb ai per acre (ProGrow Ornamental Herbicide 2G).
05748	Chipco Ronstar 2G (Oxadiazon)	Ivy (Hedera sp.) H. helix	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
05748	Chipco Ronstar 2G (Oxadiazon)	Ivy (Hedera sp.) H. helix	Field In-Ground	Bing	NY	1977	Broadcast	No significant injury at 2, 4, and 8 lb ai per acre on newly transplanted liners; excellent control of grass and broadleaves including crabgrass, stinkgrass, common purslane, red root pigweed, and carpetweed.
05748	Chipco Ronstar 2G (Oxadiazon)	Ivy (Hedera sp.) H. helix	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
03968	Chipco Ronstar 2G (Oxadiazon)	Ivy (Hedera sp.) H. helix	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
05748	Chipco Ronstar 2G (Oxadiazon)	Ivy (Hedera sp.) H. canariensis	Field In-Ground	Elmore	CA	1972	Broadcast	Very slight transient injury increasing with rate (1, 2, 4 lb ai per acre); good to excellent weed control.
28035	Chipco Ronstar 2G (Oxadiazon)	Hellebore, Black (Helleborus niger) H. orientalis	Field Container	Czarnota	GA	2004	Broadcast	No injury at 4 lb ai per acre through 4 weeks after treatment, but very slight injury appeared 8 and 12 weeks after treatment.
12115	Chipco Ronstar 2G (Oxadiazon)	Daylily (Hemerocallis sp.)	Field Container	Klett	CO	1989	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
11865	Chipco Ronstar 2G (Oxadiazon)	Daylily (Hemerocallis sp.)	Field In-Ground	Meister	FL	1982	Broadcast	Excellent control of cudweed, fume root, red sorrel, and lambsquarters; no injury at 4 and 8 lb ai per acre.

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12115	Chipco Ronstar 2G (Oxadiazon)	Daylily (Hemerocallis sp.) 'Flames of Fantasy'	Field Container	Senesac	NY	1995	Broadcast	Moderate injury decreasing over time with 4, 8, and 16 lb ai per acre.
26876	Chipco Ronstar 2G (Oxadiazon)	Rosemallow (Hibiscus sp.) H. rosa-sinensis	Field Container	Elmore	CA	1977	Broadcast	No significant injury with 2 lb ai per acre.
26876	Chipco Ronstar 2G (Oxadiazon)	Rosemallow (Hibiscus sp.) H. rosa-sinensis 'Brilliant'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
12116	Chipco Ronstar 2G (Oxadiazon)	Plantain Lily (Hosta sp.) 'August Moon'	Field Container	Senesac	NY	1995	Broadcast	Severe injury at all three rates (4, 8, 16 lb ai per acre), decreasing over time.
12116	Chipco Ronstar 2G (Oxadiazon)	Plantain Lily (Hosta sp.) H. lancifolia 'albo-marginata'	Field Container	Skroch	NC	1982	Broadcast	Excellent control of oxalis and cardimine; no injury at 2 lb ai per acre.
01603	Chipco Ronstar 2G (Oxadiazon)	Hydrangea (Hydrangea sp.) H. macrophylla	Field Container	Badiei	OR	1982	Broadcast	Slight transient injury where granules remained on leaf surface at 16 lb ai per acre, but 2, 4, and 8 lb ai per acre caused no injury.
12450	Chipco Ronstar 2G (Oxadiazon)	Witch's Moneybags (Hylotelephium telephium) 'Autumn Joy'	Field Container	Klett	CO	1997	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
12450	Chipco Ronstar 2G (Oxadiazon)	Witch's Moneybags (Hylotelephium telephium) 'Autumn Joy'	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. helleri	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01606	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Green Island'	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. cornuta 'Bufordi' nana	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of hairy crabgrass.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. cornuta 'Burfordi'	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Compacta'	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of hairy crabgrass.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field Container	Cohen	NC	1975	Broadcast	No significant injury at 4 and 6 lb ai per acre; excellent goose grass control.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of pigweed, lambsquarter, and dogfennel.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field Container	Cohen	NC	1975	Broadcast	Trial 1: No injury at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field Container	Cohen	NC	1975	Broadcast	Trial 2: No injury at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata rotundifolia	Field Container	Cohen	NC	1975	Broadcast	Trial 1: No injury at 4 and 6 lb ai per acre.

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01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata rotundifolia	Field Container	Cohen	NC	1975	Broadcast	Trial 2: No injury at 4 and 6 lb ai per acre.
01606	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 6 and 8 lb ai per acre; excellent control of pepperweed.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Compacta'	Field Container	Cohen	NC	1976	Broadcast	No significant impact on newly transplanted liners at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field Container	Cohen	NC	1976	Broadcast	No significant impact on newly transplanted liners at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of pigweed, lambsquarter, and dogfennel.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field Container	Cohen	NC	1976	Broadcast	No injury at 6 and 8 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Rotunda'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of pigweed, lambsquarter, and dogfennel.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'convexa'	Field Container	Creager	MD	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'convexa'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field Container	Creager	MD	1980	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of bittercress, large crabgrass, and oxalis through two months.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Compacta'	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. cornuta 'Rotunda'	Field Container	Elmore	CA	1972	Broadcast	Great control of annual bluegrass at 4 and 6 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. cornuta 'Burfordii'	Field Container	Elmore	CA	1974	Broadcast	No injury with 2 and 4 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. burfordii	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. aquifolium 'Sam Gabriel'	Field Container	Elmore	CA	1977	Broadcast	No significant growth reduction at 2 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. cornuta 'Burfordii'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. chinensis	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, 8, and 16 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata	Field Container	Glaze	GA	1977	Broadcast	Slight decrease in height and width increasing with rate (2, 4, 8, and 16 lb ai per acre).

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01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata compacta	Field Container	Glaze	GA	1978	Broadcast	Slight injury at 2, moderate at 4, 8 and 16 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. helleri	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2, 4, 8 and 16 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. vomitoria 'nana'	Field Container	Glaze	GA	1980	Broadcast	
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. vomitoria 'nana'	Field Container	Morgan	TX	1978	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; good weed control.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata	Field Container	Phatak	GA	1978	Broadcast	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Howardi'	Field Container	Ryan	WA	1977	Broadcast	No impact on plant growth at 2, 4, and 8 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'compacta'	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. vomitoria 'Nana'	Field Container	Skroch	NC	1982	Broadcast	Slight injury at 4 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. x attenuata 'Foster's #2'	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. cornuta 'Burfordii Nana'	Field Container	Skroch	NC	1984	Broadcast	Virtually no injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field Container	Skroch	NC	1984	Broadcast	No injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. hybrid NA 28370	Field Container	Ticknor	OR	1976	Broadcast	No negative impact on plant survival or fresh weight with 4 lb ai per acre.
01604	Chipco Ronstar 2G (Oxadiazon)	Holly (Ilex sp.) I. crenata 'convexa'	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. wiltoni	Field Container	Ahrens	CT	1976	Broadcast	No impact on plant vigor.
01610	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. compacta 'Andorra'	Field In-Ground	Ahrens	CT	1976	Broadcast	No injury at 3 and 6 lb ai per acre; excellent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis plumosa compacta	Field Container	Ahrens	CT	1977	Broadcast	No significant injury at 4, 8, and 16 lb ai per acre.
01610	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. compacta 'Andorra'	Field In-Ground	Ahrens	CT	1977	Broadcast	No injury at 4 and 8 lb ai per acre; excellent control of crabgrass and broadleaved weeds including dandelion.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. procumbens	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.

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01610	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis hetzii glauca	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre; excellent control of crabgrass, red root, galinsoga, groundsel and purslane.
01610	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis hetzii glauca	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre; excellent control of crabgrass and purslane with good control of barnyard grass.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. 'Shore'	Field Container	Cohen	NC	1975	Broadcast	Trial 2: No injury at 4 and 6 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis 'Hetzi'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of pigweed, lambsquarter, and dogfennel.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. cinensis 'Sargentii'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of pigweed, lambsquarter, and dogfennel.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. conferta	Field Container	Cohen	NC	1976	Broadcast	No injury at 6 and 8 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis 'plumosa'	Field Container	Creager	MD	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis 'plumosa'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis plumosa	Field Container	Creager	MD	1980	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of bittercrass, large crabgrass, and oxalis through two months.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis 'Blue Pfitzer'	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis 'Torulosa'	Field Container	Elmore	CA	1972	Broadcast	No significant impact on growth at 1 and 2 lb ai per acre; good control of common groundsel.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis 'Wiltonii'	Field Container	Elmore	CA	1972	Broadcast	Great control of annual bluegrass at 4 and 6 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis 'Torulosa'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis 'Torulosa'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercrass.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. pfitzeriana	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercrass.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. sp. 'Bar Harbor'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercrass.

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01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. sp. 'Sea Green'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercress.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. sp. 'Table Top Blue'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercress.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis 'Wiltoni'	Field Container	Fretz	OH	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.)	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, and 8 lb ai per acre, but reduction in width and height at 16 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.)	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2, 4, 8 and 16 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.)	Field Container	Phatak	GA	1978	Broadcast	Slight injury at 2, 4, 8 and 16 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis 'Wiltoni'	Field Container	Ryan	WA	1977	Broadcast	No impact on plant growth at 2, 4, and 8 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis 'Wiltonii'	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. conferta	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis 'Youngstown'	Field Container	Skroch	NC	1984	Broadcast	Minor injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis plumosa	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
01609	Chipco Ronstar 2G (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis 'Willtoni'	Field Container	Williams	IL	1977	Broadcast	No injury at 2, 4, and 8 lb ai per acre.
26877	Chipco Ronstar 2G (Oxadiazon)	Water Willow (Justicia sp.) J. brandegeana	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
26928	Chipco Ronstar 2G (Oxadiazon)	Laurel (Kalmia sp.) K. latifolia	Field In-Ground	Cohen	NC	1976	Broadcast	No injury at 5 and 7 lb ai per acre; excellent control of foxtail but poor control of ragweed.
01576	Chipco Ronstar 2G (Oxadiazon)	Golden-Rain Tree (Koelreuteria bipinnata) K. paniculata	Field Container	Glaze	GA	1993	Over the top	Slight injury at 4 and 8 lb ai per acre.
01479	Chipco Ronstar 2G (Oxadiazon)	Crape Myrtle (Lagerstroemia indica) 'Firebird'	Field In-Ground	Skroch	NC	1981	Broadcast	Excellent control of oxalis and cardimine; no injury at 2 lb ai per acre.
01479	Chipco Ronstar 2G (Oxadiazon)	Crape Myrtle (Lagerstroemia indica)	Field In-Ground	Talbert	AR	1977	Broadcast	No injury at 0.24, 0.49, 0.98, and 1.96 lb ai per acre.
26869	Chipco Ronstar 2G (Oxadiazon)	Doghobble (Leucothoe sp.) L. axillaris	Field Container	Ahrens	CT	1976	Broadcast	No impact on plant vigor.
26869	Chipco Ronstar 2G (Oxadiazon)	Doghobble (Leucothoe sp.) L. catesbaei	Field Container	Ahrens	CT	1977	Broadcast	No significant injury at 4, 8, and 16 lb ai per acre.
26869	Chipco Ronstar 2G (Oxadiazon)	Doghobble (Leucothoe sp.)	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.

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09962	Chipco Ronstar 2G (Oxadiazon)	Blazing-Star (<i>Liatris</i> sp.) <i>L. spicata</i>	Field Container	Klett	CO	1986	Broadcast	No injury at 4 and 8 lb ai per acre. Excellent control of redroot pigweed, shepherdspurse, yellow woodsorrel and annual bluegrass.
01619	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. ovalifolium</i>	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
01619	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. ovalifolium</i>	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
01619	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.)	Field In-Ground	Bing	NY	1978	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre on newly stuck cuttings; excellent control of grass and broadleaves including purslane, smartweed, and groundsel.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. lucidum</i>	Field Container	Cohen	NC	1975	Broadcast	Trial 1: No injury at 4 and 6 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. lucidum</i>	Field Container	Cohen	NC	1975	Broadcast	Trial 2: No injury at 4 and 6 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. japonicum</i>	Field Container	Cohen	NC	1976	Broadcast	No injury at 6 and 8 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. japonicum</i>	Field Container	Cohen	NC	1976	Broadcast	No significant impact on newly transplanted liners at 4 and 6 lb ai per acre.
01619	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. lucidum</i>	Field In-Ground	Cohen	NC	1977	Broadcast	No significant impact on root percentage or quality.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. lucidum</i> 'Black Wax'	Field Container	Creager	MD	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre with the exception of the 2 month reading at 4 lb ai per acre, but all plants were marketable at 4 months.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. lucidum</i>	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of <i>Cardamine hirsuta</i> , <i>Digitaria sanguinalis</i> , and <i>Oxalis</i> ; no injury with 2, 4, 8, and 16 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. lucidum</i>	Field Container	Creager	MD	1980	Broadcast	No significant injury at 2, 4, 8, and 16 lb ai per acre; excellent control of bittercress, large crabgrass, and oxalis through two months.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. japonicum</i>	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. japonicum</i>	Field Container	Elmore	CA	1972	Broadcast	No significant impact on growth at 1 and 2 lb ai per acre; good control of common groundsel.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. japonicum</i>	Field Container	Elmore	CA	1974	Broadcast	No impact on plant growth with 2 and 4 lb ai per acre.

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01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field Container	Elmore	CA	1974	Broadcast	No injury with 2 and 4 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field Container	Elmore	CA	1974	Broadcast	No significant impact on dry weight at 2 and 4 lb ai per acre; excellent lesser-seeded bittercress.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field Container	Elmore	CA	1977	Broadcast	No significant growth reduction at 1 and 2 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field Container	Elmore	CA	1977	Broadcast	No significant injury with 2 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.)	Field Container	Phatak	GA	1978	Broadcast	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre.)
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field Container	Ryan	WA	1977	Broadcast	No impact on plant growth at 2, 4, and 8 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. lucida	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. amurense	Field Container	Williams	IL	1977	Broadcast	No injury at 2, 4, and 8 lb ai per acre.
01618	Chipco Ronstar 2G (Oxadiazon)	Privet (Ligustrum sp.) L. x vicaryi	Field Container	Williams	IL	1977	Broadcast	Minimal injury increasing with rate (2, 4, 8, 16 lb ai per acre).
08384	Chipco Ronstar 2G (Oxadiazon)	Lily (Lilium sp.) 'Golden Splendor'	Field In-Ground	Smith	OH	1982	Broadcast	No injury at 4 lb ai per acre, unacceptable at 16 lb ai per acre.
09239	Chipco Ronstar 2G (Oxadiazon)	Sealavender (Limonium sp.) L. Latifolium	Field Container	Klett	CO	1994	Broadcast	No injury or reduction in dry weight with 4 or 8 lb ai per acre.
01680	Chipco Ronstar 2G (Oxadiazon)	Sweetgum (Liquidambar sp.)	Field Container	Elmore	CA	1974	Broadcast	No injury with 2 and 4 lb ai per acre.
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.) L. spicata	Field Container	Cohen	NC	1975	Broadcast	Moderate injury at 4 and 6 lb ai per acre.
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.) L. spicata	Field Container	Currey	FL	1979	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of Phyllanthus, Dactyloctenium aegyptium, Digitaria ciliaris and oxalis.
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.)	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, 8, and 16 lb ai per acre.
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.)	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2 and 4, moderate at 8 and 16 lb ai per acre.
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.)	Field Container	Phatak	GA	1978	Broadcast	Minor to moderate injury increasing with rate (2, 4, 8, and 16 lb ai per acre).
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.) L. muscari 'variegata'	Field Container	Skroch	NC	1982	Broadcast	Moderate injury at 4 lb ai per acre.

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01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.) L. spicata	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.) L. muscari 'Variegata'	Field Container	Skroch	NC	1984	Broadcast	Minor injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
01067	Chipco Ronstar 2G (Oxadiazon)	Lilyturf (Liriope sp.) L. spicata	Field Container	Skroch	NC	1984	Broadcast	Minor injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
11836	Chipco Ronstar 2G (Oxadiazon)	Honeysuckle (Lonicera sp.) L. tatarica 'Zabelii'	Field Container	Klett	CO	1991	Broadcast	No injury at 4 and 8 lb ai per acre.
01621	Chipco Ronstar 2G (Oxadiazon)	Magnolia (Magnolia sp.) M. grandiflora	Field Container	Elmore	CA	1973	Broadcast	No injury at 4 lb ai per acre.
01621	Chipco Ronstar 2G (Oxadiazon)	Magnolia (Magnolia sp.) M. x soulangiana	Field Container	Skroch	NC	1981	Broadcast	Excellent control of oxalis and cardimine; no injury at 2 lb ai per acre.
01623	Chipco Ronstar 2G (Oxadiazon)	Barberry, Hollyleaved (Mahonia aquifolium)	Field Container	Elmore	CA	1973	Broadcast	No significant injury at 4 lb ai per acre.
05743	Chipco Ronstar 2G (Oxadiazon)	Apple (Malus sp.) M. sieboldi	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
05743	Chipco Ronstar 2G (Oxadiazon)	Apple (Malus sp.) M. sieboldi	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
05743	Chipco Ronstar 2G (Oxadiazon)	Apple (Malus sp.)	Field In-Ground	Ogg	WA	1977	Broadcast	No injury at 3 and 6 lb ai per acre.
05743	Chipco Ronstar 2G (Oxadiazon)	Apple (Malus sp.) 'M111'	Field In-Ground	Ogg	WA	1977	Broadcast	No injury at 3 and 6 lb ai per acre.
26882	Chipco Ronstar 2G (Oxadiazon)	Myrtle (Myrtus communis)	Field Container	Elmore	CA	1972	Broadcast	Great control of annual bluegrass at 4 and 6 lb ai per acre.
26882	Chipco Ronstar 2G (Oxadiazon)	Myrtle (Myrtus communis) 'Compacta'	Field Container	Elmore	CA	1974	Broadcast	No injury with 2 and 4 lb ai per acre.
26882	Chipco Ronstar 2G (Oxadiazon)	Myrtle (Myrtus communis) M. cerifera	Field Container	Skroch	NC	1981	Broadcast	Excellent control of oxalis and cardimine; no injury at 2 lb ai per acre.
01629	Chipco Ronstar 2G (Oxadiazon)	Sacred Bamboo (Nandina domestica)	Field Container	Badiei	OR	1980	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre.
01629	Chipco Ronstar 2G (Oxadiazon)	Sacred Bamboo (Nandina domestica)	Field Container	Currey	FL	1979	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; excellent control of Phyllanthus, Dactyloctenium aegyptium, Digitaria ciliaris and oxalis.
01629	Chipco Ronstar 2G (Oxadiazon)	Sacred Bamboo (Nandina domestica)	Field Container	Elmore	CA	1977	Broadcast	No significant injury at 2 and 4 lb ai per acre; great control of spotted spurge and crabgrass.

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05269	Chipco Ronstar 2G (Oxadiazon)	Daffodil (Narcissus sp.)	Field In-Ground	Carpenter	IN	1982	Broadcast	Severe injury at 4 and 16 lb ai per acre. Good to great reduction in unspecified weeds.
05269	Chipco Ronstar 2G (Oxadiazon)	Daffodil (Narcissus sp.)	Field In-Ground	Smith	OH	1982	Broadcast	Severe injury at 4 and 16 lb ai per acre. Excellent weed control of unspecified weeds.
07160	Chipco Ronstar 2G (Oxadiazon)	Oleander, Rosebay (Nerium oleander)	Field Container	Elmore	CA	1977	Broadcast	No significant injury with 2 lb ai per acre.
27525	Chipco Ronstar 2G (Oxadiazon)	Mondo Grass; Lilyturf; Ker-Gawl (Ophiopogon sp.) O. japonicus	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01643	Chipco Ronstar 2G (Oxadiazon)	Olive, Holly (Osmanthus heterophyllus) O. fortunei	Field Container	Cohen	NC	1976	Broadcast	No injury at 6 and 8 lb ai per acre.
26911	Chipco Ronstar 2G (Oxadiazon)	Daisybush (Osteospermum sp.)	Field In-Ground	Elmore	CA	1972	Broadcast	No phytotoxicity at 1, 2, and 4 lb ai per acre; good to excellent weed control.
18705	Chipco Ronstar 2G (Oxadiazon)	Daisybush (Osteospermum sp.) O. barberi compactum 'Purple Mountain'	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
23082	Chipco Ronstar 2G (Oxadiazon)	Little Pickles Ice Plant (Othonna capensis)	Field Container	Klett	CO	2001	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
00563	Chipco Ronstar 2G (Oxadiazon)	Japanese Pachysandra (Pachysandra terminalis)	Field In-Ground	Bing	NY	1977	Broadcast	No significant injury at 2, 4, and 8 lb ai per acre on newly transplanted liners; excellent control of grass and broadleaves including crabgrass, stinkgrass, common purslane, red root pigweed, and carpetweed.
08745	Chipco Ronstar 2G (Oxadiazon)	Peony (Paeonia sp.)	Field In-Ground	Heuser	PA	1984	Broadcast	No injury at 4 and 8 lb ai per acre.
26919	Chipco Ronstar 2G (Oxadiazon)	Geranium (Pelargonium sp.)	Field In-Ground	Talbert	AR	1980	Broadcast	Moderate injury at 4 lb ai per acre; excellent control of purslane, pigweed and crabgrass.
13184	Chipco Ronstar 2G (Oxadiazon)	Crimson Fountain Grass (Pennisetum setaceum) P. alopecuroides	Field Container	Fain	MS	2002	Broadcast	No significant injury or growth reduction at 4, 8 and 16 lb ai per acre.
13184	Chipco Ronstar 2G (Oxadiazon)	Crimson Fountain Grass (Pennisetum setaceum) 'Rubrum'	Field Container	Klett	CO	1997	Broadcast	No injury or significant reduction in dry weights with 4 and 8 lb ai per acre.
13184	Chipco Ronstar 2G (Oxadiazon)	Crimson Fountain Grass (Pennisetum setaceum)	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
12121	Chipco Ronstar 2G (Oxadiazon)	Beard-Tongue (Penstemon sp.) 'Husker Red'	Field Container	Klett	CO	1996	Broadcast	No injury or reduction in dry weight at 4 and 8 lb ai per acre.
12121	Chipco Ronstar 2G (Oxadiazon)	Beard-Tongue (Penstemon sp.) 'Husker Red'	Field Container	Klett	CO	1997	Broadcast	No injury or reduction in dry weight at 4 and 8 lb ai per acre.
12121	Chipco Ronstar 2G (Oxadiazon)	Beard-Tongue (Penstemon sp.) P. mexicali	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
12121	Chipco Ronstar 2G (Oxadiazon)	Beard-Tongue (Penstemon sp.) P. mexicali 'Red Rocks'	Field Container	Klett	CO	1999	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
05603	Chipco Ronstar 2G (Oxadiazon)	Petunia (Petunia sp.) P. hybrida	Field In-Ground	Elmore	CA	1979	Broadcast	Slight injury at 2, moderate at 4 and 8 lb ai per acre.

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05603	Chipco Ronstar 2G (Oxadiazon)	Petunia (Petunia sp.)	Field In-Ground	Talbert	AR	1980	Broadcast	Moderate phytotoxicity at 4 lb ai per acre; excellent control of puslane, pigweed and crabgrass.
05603	Chipco Ronstar 2G (Oxadiazon)	Petunia (Petunia sp.)	Field In-Ground	Williams	IL	1979	Broadcast	Injury acceptable at 4 and 8, unacceptable at 2 and 16 lb ai per acre; researcher considered results not valid.
13185	Chipco Ronstar 2G (Oxadiazon)	Reed Canarygrass (Phalaris arundinacea) 'Picta'	Field Container	Klett	CO	1997	Broadcast	No injury or significant reduction in dry weight with 4 and 8 lb ai per acre.
13185	Chipco Ronstar 2G (Oxadiazon)	Reed Canarygrass (Phalaris arundinacea)	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
11864	Chipco Ronstar 2G (Oxadiazon)	Phlox, Fall (Phlox paniculata)	Field Container	Klett	CO	1990	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
11864	Chipco Ronstar 2G (Oxadiazon)	Phlox, Fall (Phlox paniculata) 'Mt. Fujiyama'	Field Container	Senesac	NY	1995	Broadcast	Moderate injury increasing with rate (4, 8, 16 lb ai per acre), but plants were commercially acceptable by end of experiment; 8 and 16 lb ai rates reduced number of shoots.
12122	Chipco Ronstar 2G (Oxadiazon)	Phlox, Moss (Phlox subulata)	Field Container	Gilliam	AL	1999	Broadcast	No injury with 2 and 4 lb ai per acre; slight transient with 8 lb ai per acre.
24464	Chipco Ronstar 2G (Oxadiazon)	Phlox, Moss (Phlox subulata) 'Twinkles Mix'	Field In-Ground	Glaze	GA	1983	Broadcast	Severe injury at 4 and 8 lb ai per acre.
12122	Chipco Ronstar 2G (Oxadiazon)	Phlox, Moss (Phlox subulata) 'Emerald Blue'	Field Container	Klett	CO	1996	Broadcast	No injury at 4 and 8 lb ai per acre; no reduction in dry weights.
12122	Chipco Ronstar 2G (Oxadiazon)	Phlox, Moss (Phlox subulata) 'Emerald Blue'	Field Container	Klett	CO	1997	Broadcast	No injury at 4 and 8 lb ai per acre; no reduction in dry weights.
12122	Chipco Ronstar 2G (Oxadiazon)	Phlox, Moss (Phlox subulata) 'White Delight'	Field Container	Linderman	OR	2002	Broadcast	No injury at 4, 8 and 16 lb ai per acre.
05776	Chipco Ronstar 2G (Oxadiazon)	Chokeberry (Photinia sp.) P. glabra	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre. Excellent control of crabgrass; mediocre control of dogfennel
05776	Chipco Ronstar 2G (Oxadiazon)	Chokeberry (Photinia sp.) P. frazeri	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
05776	Chipco Ronstar 2G (Oxadiazon)	Chokeberry (Photinia sp.) P. frazeri	Field Container	Elmore	CA	1972	Broadcast	No reduction in plant growth (1 and 2 lb ai per acre).
05776	Chipco Ronstar 2G (Oxadiazon)	Chokeberry (Photinia sp.) P. fraseri	Field Container	Morgan	TX	1978	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; good weed control.
05776	Chipco Ronstar 2G (Oxadiazon)	Chokeberry (Photinia sp.) P. fraseri	Field Container	Skroch	NC	1984	Broadcast	No injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
18668	Chipco Ronstar 2G (Oxadiazon)	Spruce, Colorado (Picea pungens)	Field Container	Ticknor	OR	1976	Broadcast	No negative impact on plant survival with 4 lb ai per acre.
03977	Chipco Ronstar 2G (Oxadiazon)	Andromeda, Fetterbush (Pieris sp.) P. japonica	Field Container	Ahrens	CT	1976	Broadcast	No impact on plant vigor at 4 and 8 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
03977	Chipco Ronstar 2G (Oxadiazon)	Andromeda, Fetterbush (Pieris sp.) P. japonica	Field Container	Ahrens	CT	1977	Broadcast	No significant injury at 4, 8, and 16 lb ai per acre.
03977	Chipco Ronstar 2G (Oxadiazon)	Andromeda, Fetterbush (Pieris sp.) P. japonica	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
05770	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.) P. strobus	Field In-Ground	Ahrens	CT	1976	Broadcast	No injury at 3 and 6 lb ai per acre; excellent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
05770	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.) P. strobus	Field In-Ground	Ahrens	CT	1977	Broadcast	No injury at 4 and 8 lb ai per acre; excellent control of crabgrass and broadleaved weeds including dandelion.
05769	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.) P. thunbergii	Field Container	Elmore	CA	1972	Broadcast	No significant impact on growth at 1 and 2 lb ai per acre; good control of common groundsel.
05769	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.) P. thunbergii	Field Container	Elmore	CA	1972	Broadcast	Slight reduction in plant growth at higher rate tested (1 and 2 lb ai per acre).
05769	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
05769	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.) P. halepensis	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercress.
05769	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.) P. thunbergii	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercress.
05769	Chipco Ronstar 2G (Oxadiazon)	Pine (Pinus sp.) Japanese black pine	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2, 4, 8 and 16 lb ai per acre.
05777	Chipco Ronstar 2G (Oxadiazon)	Japanese Mock Orange (Pittosporum tobira) 'Variagata'	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
05777	Chipco Ronstar 2G (Oxadiazon)	Japanese Mock Orange (Pittosporum tobira)	Field Container	Elmore	CA	1977	Broadcast	No significant growth reduction at 1 and 2 lb ai per acre.
05777	Chipco Ronstar 2G (Oxadiazon)	Japanese Mock Orange (Pittosporum tobira)	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, 8, and 16 lb ai per acre.
05777	Chipco Ronstar 2G (Oxadiazon)	Japanese Mock Orange (Pittosporum tobira)	Field Container	Phatak	GA	1978	Broadcast	Slight to moderate injury increasing with rate (2, 4, 8, 16 lb ai per acre).
11314	Chipco Ronstar 2G (Oxadiazon)	Kentucky Bluegrass (Poa pratensis) 'Challenger'	Turf	Klett	CO	1993	Broadcast	No injury at 4 and 8 lb ai per acre.
01657	Chipco Ronstar 2G (Oxadiazon)	Yew Plum Pine (Podocarpus macrophyllus)	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
01657	Chipco Ronstar 2G (Oxadiazon)	Yew Plum Pine (Podocarpus macrophyllus)	Field Container	Phatak	GA	1978	Broadcast	No to slight injury increasing with rate (2, 4, 8, and 16 lb ai per acre).
34592	Chipco Ronstar 2G (Oxadiazon)	Purslane (Portulaca sp.) P. grandiflora	Field In-Ground	Elmore	CA	1979	Broadcast	No significant injury at 2 and 4, moderate at 8 lb ai per acre.
11313	Chipco Ronstar 2G (Oxadiazon)	Cinquefoil; Potentilla (Potentilla sp.) P. tabernaemontani	Field In-Ground	Klett	CO	1993	Broadcast	No injury at 4 and 8 lb ai per acre.
27496	Chipco Ronstar 2G (Oxadiazon)	Beach Plum (Prunus maritima) 'Myrobalan'	Field In-Ground	Ogg	WA	1977	Broadcast	No injury at 3 and 6 lb ai per acre.

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27495	Chipco Ronstar 2G (Oxadiazon)	Plum (Prunus sp.) 'Mahaleb'	Field In-Ground	Ogg	WA	1977	Broadcast	No injury at 3 and 6 lb ai per acre.
01669	Chipco Ronstar 2G (Oxadiazon)	Pomegranate (Non-Bearing) (Punica granatum)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. coccinea	Field Container	Cohen	NC	1975	Broadcast	No significant injury at 4 and 6 lb ai per acre; excellent goose grass control.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. coccinea	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. coccinea 'Wyattii'	Field Container	Creager	MD	1977	Broadcast	No injury at 2, 4, 8 and 16 lb ai per acre.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. coccinea 'Lalandi'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. coccinea 'Wyattii'	Field Container	Creager	MD	1980	Broadcast	No significant injury at 2, 4, 8, and 16 lb ai per acre; excellent control of bittercress, large crabgrass, and oxalis through 2 months.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. fortuneana 'Graberii'	Field Container	Elmore	CA	1975	Broadcast	No injury at 4 and 8 lb ai per acre.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. coccinea	Field Container	Elmore	CA	1977	Broadcast	No injury with 2 lb ai per acre.
01671	Chipco Ronstar 2G (Oxadiazon)	Firethorn (Pyracantha sp.) P. 'Orange Glow'	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
27494	Chipco Ronstar 2G (Oxadiazon)	Common Pear (Pyrus communis) 'Bartlett'	Field In-Ground	Ogg	WA	1977	Broadcast	No injury at 3 and 6 lb ai per acre.
01639	Chipco Ronstar 2G (Oxadiazon)	Oak (Quercus sp.) Q. borealis	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
01639	Chipco Ronstar 2G (Oxadiazon)	Oak (Quercus sp.) Q. borealis	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
01639	Chipco Ronstar 2G (Oxadiazon)	Oak (Quercus sp.)	Field In-Ground	Cohen	NC	1975	Broadcast	Cabarrus County: No visible injury at 6 and 8 lb ai per acre on established trees; moderate control of white-heath aster, prickly lettuce and crimson clover with excellent control of plaintain at both rates.
01639	Chipco Ronstar 2G (Oxadiazon)	Oak (Quercus sp.)	Field In-Ground	Cohen	NC	1975	Broadcast	Pender County: No visible injury at 6 and 8 lb ai per acre of established trees; moderate control of annual nutsedge and dogfennel.
20140	Chipco Ronstar 2G (Oxadiazon)	Buckthorn (Rhamnus sp.) R. smithii	Field Container	Klett	CO	2000	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.

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05274	Chipco Ronstar 2G (Oxadiazon)	Indian Hawthorn (<i>Rhaphiolepis indica</i>)	Field Container	Elmore	CA	1972	Broadcast	Slight reduction in plant growth at higher rate tested (1 and 2 lb ai per acre).
05274	Chipco Ronstar 2G (Oxadiazon)	Indian Hawthorn (<i>Rhaphiolepis indica</i>)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
05274	Chipco Ronstar 2G (Oxadiazon)	Indian Hawthorn (<i>Rhaphiolepis indica</i>)	Field Container	Morgan	TX	1978	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre; good weed control.
32703	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Gray (<i>Rhodiola pachyclados</i>)	Field Container	Marble	FL	2019	Broadcast	Minor injury but severe growth reduction with 100, 200 and 400 lb per acre applied twice.
32703	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Gray (<i>Rhodiola pachyclados</i>)	Field Container	Senesac	NY	2016	Broadcast	Moderate to severe injury with 2, 4 and 8 lb ai per acre applied twice.
00931	Chipco Ronstar 2G (Oxadiazon)	Rhododendron (<i>Rhododendron</i> sp.) R. chionoides	Field Container	Ahrens	CT	1976	Broadcast	No impact on plant vigor at 4 and 8 lb ai per acre.
00931	Chipco Ronstar 2G (Oxadiazon)	Rhododendron (<i>Rhododendron</i> sp.) R. 'PJM'	Field Container	Ahrens	CT	1976	Broadcast	No impact on plant vigor at 4 and 8 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. 'Stewartsonian'	Field Container	Ahrens	CT	1976	Broadcast	No impact on plant vigor at 4 and 8 lb ai per acre.
00931	Chipco Ronstar 2G (Oxadiazon)	Rhododendron (<i>Rhododendron</i> sp.) R. chionoides	Field Container	Ahrens	CT	1977	Broadcast	No significant injury at 4, 8, and 16 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. 'Louise'	Field Container	Ahrens	CT	1977	Broadcast	No significant injury at 4, 8, and 16 lb ai per acre.
00931	Chipco Ronstar 2G (Oxadiazon)	Rhododendron (<i>Rhododendron</i> sp.) R. 'Dr. Rutgers'	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
00931	Chipco Ronstar 2G (Oxadiazon)	Rhododendron (<i>Rhododendron</i> sp.) R. 'PJM'	Field Container	Bing	NY	1977	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
05766	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. obtusum 'Hinodegiri'	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. indicum 'Formosa'	Field Container	Cohen	NC	1975	Broadcast	No significant injury at 4 and 6 lb ai per acre; excellent goose grass control.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. kurume 'Christmas Cheer'	Field Container	Cohen	NC	1975	Broadcast	No significant injury at 4 and 6 lb ai per acre; excellent goose grass control.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. kurume 'Formosa'	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. kurume 'Hinodegiri'	Field Container	Cohen	NC	1975	Broadcast	No significant injury at 4 and 6 lb ai per acre; excellent goose grass control.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. kurume 'Snow'	Field Container	Cohen	NC	1975	Broadcast	Trial 1: No injury at 4 and 6 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. kurume 'Snow'	Field Container	Cohen	NC	1975	Broadcast	Trial 2: No injury at 4 and 6 lb ai per acre.
05766	Chipco Ronstar 2G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) R. kurume 'Formosa'	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 6 and 8 lb ai per acre; excellent control of pepperweed.

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05766	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. kurume 'Hinodegiri'	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 6 and 8 lb ai per acre; excellent control of pepperweed.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. indicum 'Formosa'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of pigweed, lambsquarter, and dogfennel.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. indicum 'Formosa'	Field Container	Cohen	NC	1976	Broadcast	No significant impact on newly transplanted liners at 4 and 6 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. kurume 'Formosa'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. kurume 'Hexe'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. kurume 'Hinodegiri'	Field Container	Cohen	NC	1976	Broadcast	No injury at 4 and 6 lb ai per acre; excellent control of pigweed, lambsquarter, and dogfennel.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. kurume 'Hinodegiri'	Field Container	Cohen	NC	1976	Broadcast	No significant impact on newly transplanted liners at 4 and 6 lb ai per acre.
26927	Chipco Ronstar 2G (Oxadiazon)	Rhododendron (Rhododendron sp.) R. maximum	Field In-Ground	Cohen	NC	1976	Broadcast	No injury at 5 and 7 lb ai per acre; excellent control of foxtail but poor control of ragweed.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Hinocrimson'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Hinocrimson'	Field Container	Creager	MD	1980	Broadcast	No significant injury at 2, 4, 8, and 16 lb ai per acre; excellent control of bittercress, large crabgrass and oxalis through 2 months.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. indicum 'President Clay'	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. obtusum 'Coral Bells'	Field Container	Currey	FL	1977	Broadcast	No injury at 4, 8, and 16 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Coral Bells'	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, and 8 lb ai per acre, but growth reduction at 16 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Formosa'	Field Container	Glaze	GA	1977	Broadcast	No significant impact on growth at 2, 4, 8, and 16 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Coral Belle'	Field Container	Phatak	GA	1978	Broadcast	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Formosa'	Field Container	Phatak	GA	1978	Broadcast	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
00931	Chipco Ronstar 2G (Oxadiazon)	Rhododendron (Rhododendron sp.) R. 'Blue Diamond'	Field Container	Ryan	WA	1975	Broadcast	No injury at 3 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Caroline Gable'	Field Container	Ryan	WA	1975	Broadcast	No injury at 3 lb ai per acre, except for slight necrosis on lower leaves in August with no evidence of phytotoxicity by end of season.

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01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Rosebud'	Field Container	Ryan	WA	1977	Broadcast	No impact on plant growth at 2, 4, and 8 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. obtusum 'Coral Bells'	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. obtusum 'Pink Cloud'	Field Container	Skroch	NC	1982	Broadcast	No injury at 4 lb ai per acre.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. obtusum 'Sunglo'	Field Container	Skroch	NC	1984	Broadcast	No injury at 4.0 lb ai per acre; mediocre control of oxalis and good control of spotted spurge.
01676	Chipco Ronstar 2G (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Hino-Crimson'	Field Container	Ticknor	OR	1978	Broadcast	No injury at 4 lb ai per acre.
26914	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Show Girl'	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 5 and 7 lb ai per acre; great control of crabgrass.
26914	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Sutter's Gold'	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 5 and 7 lb ai per acre; great control of crabgrass.
26914	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Texas Centennial'	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 5 and 7 lb ai per acre; great control of crabgrass.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Belinda' floribunda	Greenhouse	Elmore	CA	1977	Broadcast	Excellent pre-emergent control of oxalis and common sowthistle; no injury at 2 and 4 lb ai per acre.
26914	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.)	Field In-Ground	Menges	TX	1977	Broadcast	Slight injury at 2, 4, and 8 lb ai per acre; good to excellent weed control.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Coed' and 'Golden Wave'	Greenhouse	Monaco	NC	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Forever Yours'	Greenhouse	Monaco	NC	1977	Broadcast	Excellent pre-emergent control of oxalis; no injury at 2 and 4 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Sonia'	Greenhouse	Monaco	NC	1977	Broadcast	Excellent pre-emergent control of oxalis and morning glory; no injury at 2, 4, 8, and 16 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Cara Mia'	Greenhouse	Monaco	NC	1980	Broadcast	No impact on cut flower production at 4 and 8 lb ai per acre; excellent control of common lambsquarters.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Mary DeVor'	Greenhouse	Monaco	NC	1980	Broadcast	No impact on cut flower production at 4 and 8 lb ai per acre; excellent control of common lambsquarters.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Royalty'	Greenhouse	Monaco	NC	1980	Broadcast	No impact on cut flower production at 4 and 8 lb ai per acre; excellent control of common lambsquarters.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Samantha'	Greenhouse	Monaco	MC	1980	Broadcast	No impact on cut flower production at 4 and 8 lb ai per acre; excellent control of common lambsquarters.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Barbie'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.

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02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Bettina'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Bridal Pink'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Bridal White'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Cindy'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Coquette'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Duchess'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Excitement'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Gabiella'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Golden Fantasie'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Golden Times'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Marina'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Misty Pink'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Paul's Pink'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Sassy'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
02322	Chipco Ronstar 2G (Oxadiazon)	Rose (Rosa sp.) 'Volare'	Greenhouse	Monaco	NC	1981	Broadcast	No injury and no impact on cut flower production at 4 and 8 lb ai per acre.
07142	Chipco Ronstar 2G (Oxadiazon)	Fern, Iron; Fern, Leather-Leaf (Rumohra adiantiformis)	Field In-Ground	Stamps	FL	1981	Broadcast	No significant injury at 2 and 4, moderate at 8 lb ai per acre. (Oxadiazon 4G used)
07142	Chipco Ronstar 2G (Oxadiazon)	Fern, Iron; Fern, Leather-Leaf (Rumohra adiantiformis)	Field In-Ground	Stamps	FL	1992	Broadcast	No significant injury at 2 and 4 lb ai per acre.
11287	Chipco Ronstar 2G (Oxadiazon)	Butchers Broom; Israeli Ruscus (Ruscus aculeatus)	Field In-Ground	Stamps	FL	1992	Broadcast	No injury with 2 and 4 lb ai per acre.
12448	Chipco Ronstar 2G (Oxadiazon)	Woodland Sage (Salvia x sylvestris) 'May Night'	Field Container	Gilliam	AL	1999	Broadcast	No injury or growth reduction at 2, 4 and 8 lb ai per acre.
12448	Chipco Ronstar 2G (Oxadiazon)	Woodland Sage (Salvia x sylvestris) S. argentea	Field Container	Klett	CO	1997	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
12448	Chipco Ronstar 2G (Oxadiazon)	Woodland Sage (Salvia x sylvestris) S. argentea	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
12449	Chipco Ronstar 2G (Oxadiazon)	Pincushions (Scabiosa sp.) S. caucasica	Field Container	Klett	CO	1997	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.

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12449	Chipco Ronstar 2G (Oxadiazon)	Pincushions (Scabiosa sp.) S. caucasica	Field Container	Klett	CO	1998	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
32700	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Moss (Sedum acre)	Field Container	Klett	CO	2020	Broadcast	No injury with 100, 200 and 400 lb per acre applied twice; moderate growth reductions at all rates.
32700	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Moss (Sedum acre)	Field Container	Marble	FL	2019	Broadcast	No injury or significant growth reduction with 100, 200 and 400 lb per acre applied twice.
32700	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Moss (Sedum acre)	Field Container	Senesac	NY	2016	Broadcast	No injury with 2, minor injury with 4 and 8 lb ai per acre applied twice.
32701	Chipco Ronstar 2G (Oxadiazon)	Sedum Hybrids (Sedum hybridum)	Field Container	Klett	CO	2020	Broadcast	No injury with 100, 200 and 400 lb per acre applied twice; minor growth reductions at all 2X and 4X.
32701	Chipco Ronstar 2G (Oxadiazon)	Sedum Hybrids (Sedum hybridum) Sedum × graptosedum 'Golden Glow'	Field Container	Marble	FL	2019	Broadcast	No injury or growth reduction with 100, 200 and 400 lb per acre applied twice.
32701	Chipco Ronstar 2G (Oxadiazon)	Sedum Hybrids (Sedum hybridum) 'Czar's Gold'	Field Container	Neal	NC	2019	Broadcast	Moderate to severe injury and growth reduction increasing with rates (100, 200 and 400 per acre) applied twice.
32701	Chipco Ronstar 2G (Oxadiazon)	Sedum Hybrids (Sedum hybridum)	Field Container	Senesac	NY	2016	Broadcast	Minor injury with 2 and 4, moderate with 8 lb ai per acre applied twice.
32702	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Kamchatka (Sedum kamtschaticus)	Field Container	Marble	FL	2016	Broadcast	No significant injury with 2, 4 and 8 lb ai per acre applied twice; slight growth reduction with 4X; all plants marketable.
32702	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Kamchatka (Sedum kamtschaticus)	Field Container	Mathers	OH	2016	Broadcast	No injury or growth reduction with 2, 4 and 8 lb ai per acre applied twice.
32702	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Kamchatka (Sedum kamtschaticus) 'Weihenstephaner Gold'	Field Container	Neal	NC	2019	Broadcast	Moderate injury with 100, 200 and 400 per acre applied twice; slight to moderate growth reduction.
32702	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Kamchatka (Sedum kamtschaticus) S. floriferum 'Weihenstephaner Gold'	Field Container	Senesac	NY	2016	Broadcast	No injury with 2 and 4, minor with 8 lb ai per acre applied twice.
32704	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Jenny's (Sedum rupestre) 'Angelina'	Field Container	Nackley	OR	2018	Broadcast	No injury or growth reduction with 2, 4 and 8 lb ai per acre applied twice.
32704	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Jenny's (Sedum rupestre) 'Angelina'	Field Container	Neal	NC	2018	Broadcast	Virtually no injury with 100, 200 and 400 lb per acre applied twice.
32704	Chipco Ronstar 2G (Oxadiazon)	Stonecrop, Jenny's (Sedum rupestre)	Field Container	Senesac	NY	2016	Broadcast	No injury with 2 and 4, minor with 8 lb ai per acre applied twice.
00608	Chipco Ronstar 2G (Oxadiazon)	Stonecrop (Sedum sp.) S. album	Field In-Ground	Bing	NY	1977	Broadcast	No significant injury at 2 and 4 lb ai per acre on newly transplanted liners but some reduction of growth at 8 lb ai per acre; excellent control of grass and broadleaves including crabgrass, stinkgrass, common purslane, red root pigweed, and carpetweed.

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00608	Chipco Ronstar 2G (Oxadiazon)	Stonecrop (Sedum sp.) S. brevifolium	Field In-Ground	Elmore	CA	1972	Broadcast	No initial phytotoxicity at 1, 2, and 4 lb ai per acre, but moderate to significant phytotoxicity the following spring; good to excellent weed control.
00608	Chipco Ronstar 2G (Oxadiazon)	Stonecrop (Sedum sp.) S. acre	Field In-Ground	Klett	CO	1993	Broadcast	No injury at 4 and 8 lb ai per acre.
26902	Chipco Ronstar 2G (Oxadiazon)	Redwood (Sequoia sempervirens)	Field Container	Elmore	CA	1977	Broadcast	Significant injury at 2 and 4 lb ai per acre; great control of spotted spurge and crabgrass.
11837	Chipco Ronstar 2G (Oxadiazon)	Lamb's Ears (Stachys byzantina)	Field Container	Klett	CO	1991	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
11843	Chipco Ronstar 2G (Oxadiazon)	Lilac (Syringa sp.) S. vulgaris	Field Container	Klett	CO	1990	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26878	Chipco Ronstar 2G (Oxadiazon)	Brush Cherry (Syzygium paniculatum) 'Newport'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
01455	Chipco Ronstar 2G (Oxadiazon)	Bald Cypress (Taxodium distichum)	Field Container	Glaze	GA	1993	Broadcast	Slight injury at 4 and 8 lb ai per acre. Fair control of Trifolium and Brassica with 4 lb ai per acre
26915	Chipco Ronstar 2G (Oxadiazon)	Yew (Taxus sp.) T. cuspidata	Field In-Ground	Ahrens	CT	1976	Broadcast	No injury at 3 and 6 lb ai per acre; excellent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
26915	Chipco Ronstar 2G (Oxadiazon)	Yew (Taxus sp.) T. cuspidata	Field In-Ground	Ahrens	CT	1977	Broadcast	No injury at 4 and 8 lb ai per acre; excellent control of crabgrass and broadleaved weeds including dandelion.
26915	Chipco Ronstar 2G (Oxadiazon)	Yew (Taxus sp.) T. cuspidata	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
26915	Chipco Ronstar 2G (Oxadiazon)	Yew (Taxus sp.) T. cuspidata	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
05734	Chipco Ronstar 2G (Oxadiazon)	Red Cedar, Arborvitae (Thuja sp.) T. occidentalis 'aurea'	Field Container	Elmore	CA	1977	Broadcast	No injury at 2 and 4 lb ai per acre; good control of bittercress.
11310	Chipco Ronstar 2G (Oxadiazon)	Thyme (Non-Bearing) (Thymus sp.) T. pseudolanuginosus	Field Container	Klett	CO	1993	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
26901	Chipco Ronstar 2G (Oxadiazon)	Jasmine, Confederate (Trachelospermum jasminoides)	Field Container	Elmore	CA	1972	Broadcast	No significant impact on growth at 1 and 2 lb ai per acre; good control of common groundsel.
05753	Chipco Ronstar 2G (Oxadiazon)	Hemlock (Tsuga sp.) T. heterophylla	Field Container	Badiei	OR	1980	Broadcast	No injury at 2, 4, 8, and 16 lb ai per acre.

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26917	Chipco Ronstar 2G (Oxadiazon)	Hemlock (Tsuga sp.) T. canadensis	Field In-Ground	Bing	NY	1977	Broadcast	Farmingdale: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass, red root, galinsoga, groundsel and purslane.
26917	Chipco Ronstar 2G (Oxadiazon)	Hemlock (Tsuga sp.) T. canadensis	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 6 and 8 lb ai per acre; poor control of annual nutgrass and no control of dogfennel.
26917	Chipco Ronstar 2G (Oxadiazon)	Hemlock (Tsuga sp.) T. caroliniana	Field In-Ground	Cohen	NC	1975	Broadcast	No injury at 6 and 8 lb ai per acre; poor control of annual nutgrass and no control of dogfennel.
11637	Chipco Ronstar 2G (Oxadiazon)	Speedwell (Veronica sp.) V. incana	Field Container	Klett	CO	1994	Broadcast	No injury or reduction in dry weights with 4 and 8 lb ai per acre.
11637	Chipco Ronstar 2G (Oxadiazon)	Speedwell (Veronica sp.) V. spicata 'Pink Shades'	Field Container	Linderman	OR	2002	Broadcast	No injury at 4, 8 and 16 lb ai per acre.
06567	Chipco Ronstar 2G (Oxadiazon)	Arrowwood (Viburnum sp.) V. opulus	Field In-Ground	Bing	NY	1977	Broadcast	Riverhead: No significant injury at 2, 4, 8 and 16 lb ai per acre on newly transplanted liners; fair to good control of crabgrass and purslane.
01689	Chipco Ronstar 2G (Oxadiazon)	Arrowwood (Viburnum sp.)	Field Container	Phatak	GA	1978	Broadcast	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
26913	Chipco Ronstar 2G (Oxadiazon)	Periwinkle (Vinca sp.) V. minor	Field In-Ground	Bing	NY	1977	Broadcast	No significant injury at 2, 4, and 8 lb ai per acre on newly transplanted liners; excellent control of grass and broadleaves including crabgrass, stinkgrass, common purslane, red root pigweed, and carpetweed.
03979	Chipco Ronstar 2G (Oxadiazon)	Periwinkle (Vinca sp.) V. minor	Field Container	Cohen	NC	1975	Broadcast	No injury at 4 and 6 lb ai per acre.
26913	Chipco Ronstar 2G (Oxadiazon)	Periwinkle (Vinca sp.) V. major	Field In-Ground	Elmore	CA	1972	Broadcast	No injury at 1, 2, and 4 lb ai per acre; good to excellent weed control.
03979	Chipco Ronstar 2G (Oxadiazon)	Periwinkle (Vinca sp.)	Field Container	Elmore	CA	1976	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
34591	Chipco Ronstar 2G (Oxadiazon)	Pansy, Large Flowering; Wittrock's Violet (Viola X wittrockiana) V. wittrockiana 'King Size'	Field In-Ground	Elmore	CA	1979	Broadcast	No injury at 2, 4 and 8 lb ai per acre.
01091	Chipco Ronstar 2G (Oxadiazon)	Weigela (Weigela sp.)	Field In-Ground	Talbert	AR	1977	Broadcast	Virtually no injury with 0.24, 0.49, 0.98 and 1.96 lb ai per acre.
00500	Chipco Ronstar 2G (Oxadiazon)	Wisteria (Wisteria sp.) W. sinensis	Field Container	Ferree	IL	1993	Over the top	No significant injury at 4 and 8 lb ai per acre.
00500	Chipco Ronstar 2G (Oxadiazon)	Wisteria (Wisteria sp.) W. sinensis	Field Container	Klett	CO	1990	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
00500	Chipco Ronstar 2G (Oxadiazon)	Wisteria (Wisteria sp.)	Field Container	Schreiber	OH	1990	Broadcast	No injury at 4 and 8 lb ai per acre.
00500	Chipco Ronstar 2G (Oxadiazon)	Wisteria (Wisteria sp.) 'Ernest Markhan'	Field Container	Smith	OH	1989	Broadcast	No injury at 4 and 8 lb ai per acre.

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26871	Chipco Ronstar 2G (Oxadiazon)	Xylosma (Xylosma sp.) X. congestum	Field Container	Elmore	CA	1972	Broadcast	No significant reduction in plant growth (1 and 2 lb ai per acre).
27513	OH 1 (Oxadiazon 4G) (Oxadiazon)	Boxwood (Buxus sp.) B. microphylla 'japonica'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and sparges, and poor to moderate control of alligatorweed.
27517	OH 1 (Oxadiazon 4G) (Oxadiazon)	Dogwood (Cornus sp.) C. florida	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and sparges, and poor to moderate control of alligatorweed.
01482	OH 1 (Oxadiazon 4G) (Oxadiazon)	Russian Olive (Elaeagnus angustifolia) E. pungens 'Fruitlandi'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and sparges, and poor to moderate control of alligatorweed.
27516	OH 1 (Oxadiazon 4G) (Oxadiazon)	Ivy (Hedera sp.) H. helix	Field Container	Currey	FL	1978	Broadcast	No visible injury at 4, 8, and 16 lb ai per acre, but growth suppression occurred at all rates; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and sparges, and poor to moderate control of alligatorweed.
27509	OH 1 (Oxadiazon 4G) (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Compacta'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and sparges, and poor to moderate control of alligatorweed.
27508	OH 1 (Oxadiazon 4G) (Oxadiazon)	Juniper (Juniperus sp.) J. chinensis 'Pfitzeriana'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and sparges, and poor to moderate control of alligatorweed.
01477	OH 1 (Oxadiazon 4G) (Oxadiazon)	Crape Myrtle (Lagerstroemia indica)	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and sparges, and poor to moderate control of alligatorweed.

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27511	OH 1 (Oxadiazon 4G) (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and spurge, and poor to moderate control of alligatorweed.
05503	OH 1 (Oxadiazon 4G) (Oxadiazon)	Chokeberry (Photinia sp.) P. x fraseri	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and spurge, and poor to moderate control of alligatorweed.
27514	OH 1 (Oxadiazon 4G) (Oxadiazon)	Cheesewood (Pittosporum sp.) P. tobira 'variegata'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and spurge, and poor to moderate control of alligatorweed.
27512	OH 1 (Oxadiazon 4G) (Oxadiazon)	Yew Plum Pine (Podocarpus macrophyllus) 'Maki'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and spurge, and poor to moderate control of alligatorweed.
27515	OH 1 (Oxadiazon 4G) (Oxadiazon)	Firethorn (Pyracantha sp.) P. koidzumii	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and spurge, and poor to moderate control of alligatorweed.
27510	OH 1 (Oxadiazon 4G) (Oxadiazon)	Azalea (Rhododendron sp.) R. obtusum 'Coral Bells'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and spurge, and poor to moderate control of alligatorweed.
27510	OH 1 (Oxadiazon 4G) (Oxadiazon)	Azalea (Rhododendron sp.) R. 'President Clay'	Field Container	Currey	FL	1978	Broadcast	No injury at 4, 8, and 16 lb ai per acre; good to excellent control of sedges, crabgrass, goosgrass, yellow hawkbeard, oxalis, phyllanthus, cardamine, artillery weed and spurge, and poor to moderate control of alligatorweed.

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34589	Oxadiazon 4G (Oxadiazon)	Madwort (Alyssum sp.) A. maritimum 'Carpet of Snow'	Field In-Ground	Fretz	OH	1979	Broadcast	Moderate to significant injury at all rates; however, untreated controls declined and exhibited 75% mortality by the end of the experiment.
27507	Oxadiazon 4G (Oxadiazon)	Garden Snapdragon (Antirrhinum majus) 'Rocket Mix'	Field In-Ground	Fretz	OH	1979	Broadcast	Significant injury with all rates (1, 2, 4, and 8 lb ai per acre).
05565	Oxadiazon 4G (Oxadiazon)	Begonia (Begonia sp.) B. semperflorens 'Pink Tauscendschon'	Field In-Ground	Fretz	OH	1979	Broadcast	Minor to significant injury, including mortality, increasing with rate (1, 2, 4, 8 lb ai per acre).
05568	Oxadiazon 4G (Oxadiazon)	Chrysanthemum, Garden (Chrysanthemum/Dendranthema sp.) D. morifolium 'Gold Tone'	Field In-Ground	Fretz	OH	1979	Broadcast	No injury at 1, 2, 4, and 8 lb ai per acre.
05571	Oxadiazon 4G (Oxadiazon)	Coleus, Flamenetle (Coleus sp.) C. blumei 'Velvet Rainbow'	Field In-Ground	Fretz	OH	1979	Broadcast	Moderate to significant injury increasing with rate (1, 2, 4, 8 lb ai per acre).
21767	Oxadiazon 4G (Oxadiazon)	Baby's Breath (Gypsophila elegans) G. paniculata	Field Container	Linderman	OR	1993	Broadcast	No injury at 4 and 8 lb ai per acre.
05597	Oxadiazon 4G (Oxadiazon)	Impatiens; Touch-me-not (Impatiens sp.) I. sultanii 'Twinkles'	Field In-Ground	Fretz	OH	1979	Broadcast	Moderate to significant injury increasing with rate (1, 2, 4, 8 lb ai per acre).
05596	Oxadiazon 4G (Oxadiazon)	Geranium (Pelargonium sp.) P. hortorum 'Sprinter Red'	Field In-Ground	Fretz	OH	1979	Broadcast	No injury at any rate (1, 2, 4, 8, lb ai per acre).
27506	Oxadiazon 4G (Oxadiazon)	Petunia (Petunia sp.) P. hybrida 'Red Cascade'	Field In-Ground	Fretz	OH	1979	Broadcast	Significant injury at 1, 2, 4, and 8 lb ai per acre.
05604	Oxadiazon 4G (Oxadiazon)	Purslane (Portulaca sp.) P. grandiflora 'Sunny Side'	Field In-Ground	Fretz	OH	1979	Broadcast	No significant injury at 1, 2, 4, and 8 lb ai per acre.
05611	Oxadiazon 4G (Oxadiazon)	Scarlet Sage (Salvia splendens)	Field In-Ground	Elmore	CA	1979	Broadcast	Severe injury at 2, 4 and 8 lb ai per acre.
05611	Oxadiazon 4G (Oxadiazon)	Scarlet Sage (Salvia splendens) 'Sentinel'	Field In-Ground	Fretz	OH	1979	Broadcast	No to significant injury increassing with rate (1, 2, 4, and 8 lb ai per acre).
05599	Oxadiazon 4G (Oxadiazon)	Marigold (Tagetes sp.) T. patula	Field In-Ground	Elmore	CA	1979	Broadcast	No significant injury at 2, 4 and 8 lb ai per acre.
05599	Oxadiazon 4G (Oxadiazon)	Marigold (Tagetes sp.) T. patula 'Gypsy Sunshine'	Field In-Ground	Fretz	OH	1979	Broadcast	No significant injury at 1, 2, 4, and 8 lb ai per acre.
05599	Oxadiazon 4G (Oxadiazon)	Marigold (Tagetes sp.)	Field In-Ground	Williams	IL	1979	Broadcast	No significant injury at 2, 4, 8 and 16 lb ai per acre.
05601	Oxadiazon 4G (Oxadiazon)	Pansy; Heartsease (Viola tricolor) V. tricolor 'Majestic Mix'	Field In-Ground	Fretz	OH	1979	Broadcast	Significant injury with all rates (1, 2, 4, 8 lb ai per acre).
05617	Oxadiazon 4G (Oxadiazon)	Zinnia (Zinnia sp.) Z. elegans 'State Fair'	Field In-Ground	Fretz	OH	1979	Broadcast	Minimal to significant injury increasing with rate (1, 2, 4, and 8 lb ai per acre).
27523	Oxadiazon 5G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri	Field Container	Creager	MD	1977	Broadcast	Slight to moderate injury dissipating over time. All plants marketable at 4 months.
27523	Oxadiazon 5G (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. dammeri	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
27505	Oxadiazon 5G (Oxadiazon)	Carnation (<i>Dianthus caryophyllus</i>) 'Improved White Sims'	Greenhouse	Monaco	NC	1977	Broadcast	Excellent pre-emergent control of oxalis and morning glory; no injury at 2, 4, 8 and 16 lb ai per acre.
27505	Oxadiazon 5G (Oxadiazon)	Carnation (<i>Dianthus caryophyllus</i>) 'Scania'	Greenhouse	Monaco	NC	1977	Broadcast	Raleigh, NC: Good pre-emergent control of oxalis and morning glory; no injury at 4 lb ai per acre.
27524	Oxadiazon 5G (Oxadiazon)	Spindletree (<i>Euonymus</i> sp.) <i>E. fortunei</i> 'Longwood'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
27522	Oxadiazon 5G (Oxadiazon)	Holly (<i>Ilex</i> sp.) <i>I. crenata</i> 'convexa'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
27521	Oxadiazon 5G (Oxadiazon)	Juniper (<i>Juniperus</i> sp.) <i>J. horizontalis</i> 'plumosa'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01598	Oxadiazon 5G (Oxadiazon)	Golden-Rain Tree (<i>Koelreuteria bipinnata</i>)	Field In-Ground	Talbert	AR	1978	Broadcast	Excellent control of broadleaves; no injury with 0.49 and 1.96 lb ai per acre.
27520	Oxadiazon 5G (Oxadiazon)	Privet (<i>Ligustrum</i> sp.) <i>L. lucidum</i>	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
27519	Oxadiazon 5G (Oxadiazon)	Firethorn (<i>Pyracantha</i> sp.) <i>P. coccinea</i> 'Lalandi'	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
01634	Oxadiazon 5G (Oxadiazon)	Oak (<i>Quercus</i> sp.) <i>Q. wislizenii</i>	Field Container	Elmore	CA	1973	Broadcast	No significant injury at 4 lb ai per acre.
27944	Oxadiazon 5G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.)	Field Container	Ahrens	CT	1976	Broadcast	No injury at 4 and 8 lb ai per acre.
27518	Oxadiazon 5G (Oxadiazon)	Azalea (<i>Rhododendron</i> sp.) <i>R. 'Hinocrimson'</i>	Field Container	Creager	MD	1978	Broadcast	Great pre-emergent control of Cardamine hirsuta, Digitaria sanguinalis, and Oxalis; no injury with 2, 4, 8, and 16 lb ai per acre.
00214	Oxadiazon 5G (Oxadiazon)	Rose (<i>Rosa</i> sp.)	Field In-Ground	Menges	TX	1977	Broadcast	No significant injury at 2, 4, 8 and 16 lb ai per acre.
27504	Oxadiazon 5G (Oxadiazon)	Rose (<i>Rosa</i> sp.) 'Coed' and 'Golden Wave'	Greenhouse	Monaco	NC	1977	Broadcast	No injury at 2 and 4 lb ai per acre.
27504	Oxadiazon 5G (Oxadiazon)	Rose (<i>Rosa</i> sp.) 'Forever Yours'	Greenhouse	Monaco	NC	1977	Broadcast	Excellent pre-emergent control of oxalis; no injury at 2 and 4 lb ai per acre.
27504	Oxadiazon 5G (Oxadiazon)	Rose (<i>Rosa</i> sp.) 'Sonia'	Greenhouse	Monaco	NC	1977	Broadcast	Excellent pre-emergent control of oxalis and morning glory; no injury at 2, 4, 8, and 16 lb ai per acre.

Table 17. Detailed Summary of Crop Safety Testing with Oxadiazon Liquid Formulations

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
01453	Oxadiazon 2EC (Oxadiazon)	Abelia (Abelia sp.) A. grandiflora	Field In-Ground	Cohen	NC	1977	Over the top	No significant impact on root percentage or root quality at 4 and 6 lb ai per acre.
06565	Oxadiazon 2EC (Oxadiazon)	Aucuba (Aucuba sp.) A. japonica	Field Container	Phatak	GA	1978	Irrigation injection	Slight to minor injury increasing with rate (2, 4, 8, and 16 lb ai per acre).
00574	Oxadiazon 2EC (Oxadiazon)	Birch (Betula sp.)	Field In-Ground	Cohen	NC	1995	Over the top	Excellent control of ragweed, croton, and morning glory; poor control of nutgrass at 6 and 8 lb ai per acre.
26924	Oxadiazon 2EC (Oxadiazon)	Boxwood (Buxus sp.)	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 4 and 8 lb ai per acre; excellent control of crabgrass but little control of bermudagrass.
26924	Oxadiazon 2EC (Oxadiazon)	Boxwood (Buxus sp.) B. sempervirens	Field In-Ground	Cohen	NC	1975	Over the top	Excellent control of goosegrass and carpetweed; no injury with 6 and 8 lb ai per acre.
06580	Oxadiazon 2EC (Oxadiazon)	Boxwood (Buxus sp.)	Field Container	Phatak	GA	1978	Irrigation injection	No to slight injury increasing with rate (2, 4, 8, 16 lb ai per acre).
06580	Oxadiazon 2EC (Oxadiazon)	Boxwood (Buxus sp.)	Field Container	Phatak	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
26907	Oxadiazon 2EC (Oxadiazon)	St.Johns-Bread (Ceratonja siliqua)	Field In-Ground	Elmore	CA	1971	Directed	No injury at 2 lb ai per acre.
06841	Oxadiazon 2EC (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Phatak	GA	1978	Irrigation injection	Slight to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
06841	Oxadiazon 2EC (Oxadiazon)	Sakaki, Cleyera (Cleyera japonica)	Field Container	Phatak	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
06850	Oxadiazon 2EC (Oxadiazon)	Pampas Grass (Cortaderia sp.)	Field Container	Phatak	GA	1978	Irrigation injection	Slight to moderate injury increasing with rate (2, 4, 8, 16 lb ai per acre).
01475	Oxadiazon 2EC (Oxadiazon)	Cotoneaster (Cotoneaster sp.) C. parneyi	Field In-Ground	Elmore	CA	1971	Directed	No injury at 2 lb ai per acre.
28105	Oxadiazon 2EC (Oxadiazon)	Cypress (Cupressus sp.) C. arizonica	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
28105	Oxadiazon 2EC (Oxadiazon)	Cypress (Cupressus sp.) C. sempervirens	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
26906	Oxadiazon 2EC (Oxadiazon)	Gum (Eucalyptus sp.) E. sid. Rosea	Field In-Ground	Elmore	CA	1971	Directed	No injury at 2 lb ai per acre.
07393	Oxadiazon 2EC (Oxadiazon)	Spindletree (Euonymus sp.)	Field Container	Talbert	AR	1981	Irrigation injection	No significant injury at 3 and 6 lb ai per acre.
06562	Oxadiazon 2EC (Oxadiazon)	Gardenia (Gardenia sp.)	Field Container	Phatak	GA	1978	Irrigation injection	Slight to moderate injury increasing with rate (2, 4, 8, 16 lb ai per acre).
26926	Oxadiazon 2EC (Oxadiazon)	Holly (Ilex sp.) I. cornuta 'Buford'	Field In-Ground	Cohen	NC	1975	Over the top	Excellent control of goosegrass and pigweed; no injury at 6 and 8 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
26926	Oxadiazon 2EC (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field In-Ground	Cohen	NC	1975	Over the top	Excellent control of goosegrass and carpetweed; no injury with 6 and 8 lb ai per acre.
26926	Oxadiazon 2EC (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre; excellent control of pepperweed.
06849	Oxadiazon 2EC (Oxadiazon)	Holly (Ilex sp.) I. crenata	Field Container	Phatak	GA	1978	Irrigation injection	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
06849	Oxadiazon 2EC (Oxadiazon)	Holly (Ilex sp.) I. crenata	Field Container	Talbert	AR	1981	Irrigation injection	No significant injury at 3 and 6 lb ai per acre.
06576	Oxadiazon 2EC (Oxadiazon)	Juniper (Juniperus sp.) 'Bar Harbor'	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
06576	Oxadiazon 2EC (Oxadiazon)	Juniper (Juniperus sp.) J. pfitzeriana	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
06576	Oxadiazon 2EC (Oxadiazon)	Juniper (Juniperus sp.) J. torulosa	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
06576	Oxadiazon 2EC (Oxadiazon)	Juniper (Juniperus sp.) 'Sea Green'	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
06576	Oxadiazon 2EC (Oxadiazon)	Juniper (Juniperus sp.) 'Table Top Blue'	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
06576	Oxadiazon 2EC (Oxadiazon)	Juniper (Juniperus sp.)	Field Container	Glaze	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
06576	Oxadiazon 2EC (Oxadiazon)	Juniper (Juniperus sp.)	Field Container	Phatak	GA	1978	Irrigation injection	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
26931	Oxadiazon 2EC (Oxadiazon)	Privet (Ligustrum sp.) L. lucidum	Field In-Ground	Cohen	NC	1977	Over the top	No significant impact on root percentage or quality.
06582	Oxadiazon 2EC (Oxadiazon)	Privet (Ligustrum sp.)	Field Container	Phatak	GA	1978	Irrigation injection	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre.)
01062	Oxadiazon 2EC (Oxadiazon)	Sealavender (Limonium sp.) L. sinuatum	Field In-Ground	Elmore	CA	1972	Over the top	No injury at 0.5 and 1.0 lb ai per acre; excellent control or wild radish, corn spurry, and burclover.
01062	Oxadiazon 2EC (Oxadiazon)	Sealavender (Limonium sp.) L. sinuatum	Field In-Ground	Elmore	CA	1977	Over the top	Very slight injury; excellent control of Malva parviflora and Sonchus arvensis at 0.5 and 1.0 lb ai per acre, but good control of Senecio vulgaris only at 1.0 lb ai per acre.
05774	Oxadiazon 2EC (Oxadiazon)	Lilyturf (Liriope sp.)	Field Container	Phatak	GA	1978	Irrigation injection	Slight to moderate injury increasing with rate (2, 4, 8, and 16 lb ai per acre).
05774	Oxadiazon 2EC (Oxadiazon)	Lilyturf (Liriope sp.)	Field Container	Phatak	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
05774	Oxadiazon 2EC (Oxadiazon)	Lilyturf (Liriope sp.) L. muscari	Field Container	Talbert	AR	1981	Irrigation injection	No significant injury at 3 and 6 lb ai per acre.
06579	Oxadiazon 2EC (Oxadiazon)	Chokeberry (Photinia sp.)	Field Container	Glaze	GA	1979	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
28113	Oxadiazon 2EC (Oxadiazon)	Pine (Pinus sp.) P. strobus	Field In-Ground	Cohen	NC	1975	Over the top	Excellent control of goosegrass and pigweed; no injury at 6 and 8 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
06843	Oxadiazon 2EC (Oxadiazon)	Pine (Pinus sp.) P. halepensis	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
06843	Oxadiazon 2EC (Oxadiazon)	Pine (Pinus sp.) P. thunbergii	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
06843	Oxadiazon 2EC (Oxadiazon)	Pine (Pinus sp.) P. thunbergiana	Field Container	Glaze	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
00602	Oxadiazon 2EC (Oxadiazon)	Japanese Mock Orange (Pittosporum tobira) P. undulatum	Field In-Ground	Elmore	CA	1971	Directed	No significant injury at 2 lb ai per acre.
06586	Oxadiazon 2EC (Oxadiazon)	Japanese Mock Orange (Pittosporum tobira)	Field Container	Glaze	GA	1980	Broadcast	Slight injury at 2, 4, 8 and 16 lb ai per acre.
06586	Oxadiazon 2EC (Oxadiazon)	Japanese Mock Orange (Pittosporum tobira)	Field Container	Phatak	GA	1978	Irrigation injection	Slight to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
06830	Oxadiazon 2EC (Oxadiazon)	Yew Plum Pine (Podocarpus macrophyllus)	Field Container	Glaze	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
06830	Oxadiazon 2EC (Oxadiazon)	Yew Plum Pine (Podocarpus macrophyllus)	Field Container	Phatak	GA	1978	Irrigation injection	No to slight injury increasing with rate (2, 4, 8, and 16 lb ai per acre).
26923	Oxadiazon 2EC (Oxadiazon)	Firethorn (Pyracantha sp.)	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 4 and 8 lb ai per acre; excellent control of crabgrass but little control of bermudagrass.
26925	Oxadiazon 2EC (Oxadiazon)	Azalea (Rhododendron sp.)	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 4 and 8 lb ai per acre; excellent control of crabgrass but little control of bermudagrass.
26925	Oxadiazon 2EC (Oxadiazon)	Azalea (Rhododendron sp.) R. kurume 'Formosa'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre; excellent control of pepperweed.
26925	Oxadiazon 2EC (Oxadiazon)	Azalea (Rhododendron sp.) R. kurume 'Hinodegiri'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre; excellent control of pepperweed.
06581	Oxadiazon 2EC (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Coral Belle'	Field Container	Phatak	GA	1978	Irrigation injection	Slight to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
06581	Oxadiazon 2EC (Oxadiazon)	Azalea (Rhododendron sp.) R. 'Formosa'	Field Container	Phatak	GA	1978	Irrigation injection	Slight to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
28107	Oxadiazon 2EC (Oxadiazon)	Red Cedar, Arborvitae (Thuja sp.) T. occidentalis	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
27497	Oxadiazon 2EC (Oxadiazon)	Hemlock, Eastern (Tsuga canadensis)	Field In-Ground	Cohen	NC	1975	Over the top	Excellent control of goosegrass and carpetweed; no injury with 6 and 8 lb ai per acre.
27497	Oxadiazon 2EC (Oxadiazon)	Hemlock, Eastern (Tsuga canadensis)	Field In-Ground	Cohen	NC	1975	Over the top	Excellent control of goosegrass and pigweed; no injury at 6 and 8 lb ai per acre.
06578	Oxadiazon 2EC (Oxadiazon)	Arrowwood (Viburnum sp.)	Field Container	Glaze	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre.
06578	Oxadiazon 2EC (Oxadiazon)	Arrowwood (Viburnum sp.)	Field Container	Phatak	GA	1978	Irrigation injection	No to minor injury increasing with rate (2, 4, 8, 16 lb ai per acre).
06578	Oxadiazon 2EC (Oxadiazon)	Arrowwood (Viburnum sp.)	Field Container	Phatak	GA	1980	Irrigation injection	Slight injury at 2, 4, 8 and 16 lb ai per acre

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
26905	Oxadiazon 2EC (Oxadiazon)	Xylosma (Xylosma sp.)	Field In-Ground	Elmore	CA	1971	Directed	No injury at 2 lb ai per acre.
27498	Ronstar Flo Herbicide (Oxadiazon)	Sealavender (Limonium sp.) L. tatarica	Field In-Ground	Elmore	CA	1974	Over the top	1st Experiment: Virtually no injury at 2 and 4 lb ai per acre. (oxadiazon 3F)
27498	Ronstar Flo Herbicide (Oxadiazon)	Sealavender (Limonium sp.) L. tatarica	Field In-Ground	Elmore	CA	1974	Over the top	2nd Experiment: Virtually no injury at 1, 2 and 4 lb ai per acre.
27498	Ronstar Flo Herbicide (Oxadiazon)	Sealavender (Limonium sp.) L. tatarica	Field In-Ground	Elmore	CA	1974	Over the top	3rd Experiment: Virtually no injury at 1, 2 and 4 lb ai per acre.

Table 18. Detailed Summary of Crop Safety Testing with Oxadiazon WP Formulations

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
11835	Chipco Ronstar 50 WP (Oxadiazon)	Maple, Tatarian (<i>Acer tataricum</i>)	Field In-Ground	Buriff	OH	1996	Over the top	Slight to severe injury increasing with rate (1, 2, 4 lb ai per acre)
34988	Chipco Ronstar 50 WP (Oxadiazon)	Carpet Bugleweed (<i>Ajuga reptans</i>)	Field In-Ground	Derr	VA	1995	Over the top	Minor to moderate injury increasing with rate (2, 4, 8 lb ai per acre); excellent control of crabgrass, carpet weed and yellow woodsorrel.
11863	Chipco Ronstar 50 WP (Oxadiazon)	Meadow Anemone, Pasque Flower (<i>Anemone pulsatilla</i>)	Field Container	Senesac	NY	1987	Over the top	No injury at 2 and 4 lb ai per acre.
11157	Chipco Ronstar 50 WP (Oxadiazon)	Columbine (<i>Aquilegia</i> sp.) <i>Aquilegia x hybrida</i> 'McKana'	Field Container	Senesac	NY	1987	Over the top	No injury at 2 and 4 lb ai per acre.
26881	Chipco Ronstar 50 WP (Oxadiazon)	Manzanita (<i>Arctostaphylos</i> sp.) <i>A. stanfordiana</i> 'Fred Oehler'	Field Container	Elmore	CA	1973	Over the top	No injury at 4 lb ai per acre.
11861	Chipco Ronstar 50 WP (Oxadiazon)	Tickseed (<i>Coreopsis</i> sp.) <i>C. verticillata</i> 'Moonbeam'	Field Container	Buriff	OH	1996	Broadcast	No injury at 4, 8, or 16 lb ai per acre
11861	Chipco Ronstar 50 WP (Oxadiazon)	Tickseed (<i>Coreopsis</i> sp.) <i>C. lanceolata</i>	Field Container	Klett	CO	1991	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
08383	Chipco Ronstar 50 WP (Oxadiazon)	Dahlia (<i>Dahlia</i> sp.)	Field In-Ground	Rice	CA	1983	Over the top	No injury at 4 and 8 lb ai per acre.
08383	Chipco Ronstar 50 WP (Oxadiazon)	Dahlia (<i>Dahlia</i> sp.)	Field In-Ground	Smith	OH	1982	Broadcast	No injury at 4, unacceptable at 16 lb ai per acre. Good to excellent control of unspecified weeds
11153	Chipco Ronstar 50 WP (Oxadiazon)	False Leopards-Bane (<i>Doronicum</i> sp.) <i>D. cordatum</i>	Field Container	Senesac	NY	1987	Over the top	No injury or growth reduction at 2 and 4 lb ai per acre.
21804	Chipco Ronstar 50 WP (Oxadiazon)	Blanket Flower (<i>Gaillardia</i> sp.) <i>G. aristata</i> 'Goblin'	Field Container	Senesac	NY	1987	Over the top	No injury at 2, slight at 4 lb ai per acre.
06568	Chipco Ronstar 50 WP (Oxadiazon)	Baby's Breath (<i>Gypsophila paniculata</i>)	Field In-Ground	Elmore	CA	1994	Over the top	Slight foliar injury at 4 and 8 lb ai per acre.
05277	Chipco Ronstar 50 WP (Oxadiazon)	Baby's Breath (<i>Gypsophila</i> sp.) <i>G. paniculata</i>	Field Container	Senesac	NY	1987	Over the top	No injury at 2 and 4 lb ai per acre.
34989	Chipco Ronstar 50 WP (Oxadiazon)	Daylily (<i>Hemerocallis</i> sp.) 'Stella de Oro'	Field Container	Buriff	OH	1997	Over the top	Moderate injury decreasing over time with 4, 8, and 16 lb ai per acre; reduction in flower number after treatment.
24465	Chipco Ronstar 50 WP (Oxadiazon)	Lily, Plantain (<i>Hosta fortunei</i>) <i>H. undulata</i>	Field Container	Buriff	OH	1997	Over the top	Severe damage to young foliage and prevention of flowering with increasing rates (4, 8, 16 lb ai per acre).
02683	Chipco Ronstar 50 WP (Oxadiazon)	Iris (<i>Iris</i> sp.)	Field In-Ground	Carpenter	IN	1982	Over the top	No injury at 4 and 8 lb ai per acre.
35168	Chipco Ronstar 50 WP (Oxadiazon)	Magnolia (<i>Magnolia</i> sp.) <i>M. stellata</i> 'Royal Star'	Field Container	Krause	OH	1988	Broadcast	No injury at 2 and 4 lb ai per acre.
01624	Chipco Ronstar 50 WP (Oxadiazon)	Mock Orange (<i>Philadelphus</i> sp.) <i>P. virginialis</i>	Field Container	Klett	CO	1989	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
10539	Chipco Ronstar 50 WP (Oxadiazon)	Protea; Sugarbush (Protea sp.) P. nerifolia 'Pink Mink'	Field In-Ground	Elmore	CA	1987	Over the top	No injury at 2 and 4 lb ai per acre.
01670	Chipco Ronstar 50 WP (Oxadiazon)	Plum (Prunus sp.) P. sargentii	Field Container	Buriff	OH	1994	Over the top	No injury at 4, 8 and 16 lb ai per acre.
01670	Chipco Ronstar 50 WP (Oxadiazon)	Plum (Prunus sp.) P. serrulat 'Kwanzan'	Field Container	Krause	OH	1988	Over the top	No injury at 2 and 4 lb ai per acre.
10300	Chipco Ronstar 50 WP (Oxadiazon)	Fir, Douglas (Pseudotsuga menziesii)	Field Container	Klett	CO	1987	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
35169	Chipco Ronstar 50 WP (Oxadiazon)	Oak (Quercus sp.) Q. alba	Field Container	Krause	OH	1988	Broadcast	No injury at 2 and 4 lb ai per acre.
01082	Chipco Ronstar 50 WP (Oxadiazon)	Schefflera (Schefflera sp.)	Field Container	Badiei	OR	1980	Broadcast	No injury at 1, 2, 4 and 8 lb ai per acre.
01678	Chipco Ronstar 50 WP (Oxadiazon)	Stonecrop (Sedum sp.) S. spurium 'Red Carpet'	Field Container	Badiei	OR	1983	Over the top	Unacceptable injury at 4, 8 and 16 lb ai per acre.
10476	Chipco Ronstar 50 WP (Oxadiazon)	Linden, Basswood (Tilia sp.) T. cordata	Field Container	Klett	CO	1988	Broadcast	No injury or growth reduction at 4 and 8 lb ai per acre.
10476	Chipco Ronstar 50 WP (Oxadiazon)	Linden, Basswood (Tilia sp.) T. cordata	Field Container	Schreiber	OH	1990	Broadcast	No injury at 4 and 8 lb ai per acre.
26912	Chipco Ronstar 50 WP (Oxadiazon)	Hemlock, Eastern (Tsuga canadensis)	Field Container	Schreiber	OH	1988	Broadcast	No injury at 2 and 4 lb ai per acre.
11432	Chipco Ronstar 50 WP (Oxadiazon)	Speedwell (Veronica sp.) V. latifolia	Field In-Ground	Buriff	OH	1996	Over the top	No injury at 4, 8, and 16 lb ai per acre.
11432	Chipco Ronstar 50 WP (Oxadiazon)	Speedwell (Veronica sp.) V. repense	Field In-Ground	Buriff	OH	1996	Over the top	No injury at 4, 8, and 16 lb ai per acre.
00640	Oxadiazon 75WP (Oxadiazon)	Boxwood (Buxus sp.) B. microphylla	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre; no control of white-heath aster and horse-weed.
28106	Oxadiazon 75WP (Oxadiazon)	Cypress (Cupressus sp.) C. arizonica	Field Container	Elmore	CA	1977	Over the top	Virtually no injury at 2 and 4 lb ai per acre.
28106	Oxadiazon 75WP (Oxadiazon)	Cypress (Cupressus sp.) C. sempervirens	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
05752	Oxadiazon 75WP (Oxadiazon)	Forsythia (Forsythia sp.) F. intermedia 'Lynwood Gold'	Field In-Ground	Ahrens	CT	1976	Over the top	No injury at 3 and 6 lb ai per acre, but little to no new growth at time of treatment; excellent pre-emergent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
26922	Oxadiazon 75WP (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Compacta'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre.
26922	Oxadiazon 75WP (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 5 and 7 lb ai per acre; excellent control of crabgrass and carpetweed.
26922	Oxadiazon 75WP (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Convexa'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre.
26922	Oxadiazon 75WP (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 5 and 7 lb ai per acre; excellent control of crabgrass and carpetweed.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
26922	Oxadiazon 75WP (Oxadiazon)	Holly (Ilex sp.) I. crenata 'Helleri'	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre.
26903	Oxadiazon 75WP (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis plumosa compacta	Field In-Ground	Ahrens	CT	1975	Over the top	No injury at 2 and 4 lb ai per acre; excellent pre-emergent weed control.
26903	Oxadiazon 75WP (Oxadiazon)	Juniper (Juniperus sp.) J. horizontalis plumosa compacta	Field In-Ground	Ahrens	CT	1976	Over the top	No injury at 3 and 6 lb ai per acre; excellent pre-emergent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
28104	Oxadiazon 75WP (Oxadiazon)	Juniper (Juniperus sp.) 'Bar Harbor'	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
28104	Oxadiazon 75WP (Oxadiazon)	Juniper (Juniperus sp.) J. pfitzeriana	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
28104	Oxadiazon 75WP (Oxadiazon)	Juniper (Juniperus sp.) J. torulosa	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
28104	Oxadiazon 75WP (Oxadiazon)	Juniper (Juniperus sp.) 'Sea Green'	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
28104	Oxadiazon 75WP (Oxadiazon)	Juniper (Juniperus sp.) 'Table Top Blue'	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
26921	Oxadiazon 75WP (Oxadiazon)	Laurel (Kalmia sp.) K. latifolia	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 6 and 8 lb ai per acre; no control of white-heath aster and horse-weed.
26918	Oxadiazon 75WP (Oxadiazon)	Privet (Ligustrum sp.) L. japonicum	Field In-Ground	Ryan	WA	1977	Directed	No significant impact on plant height or fresh weight at 2, 4, and 8 lb ai per acre; excellent control of wild turnip, composites, mouseear chickweed, redroot pigweed, and annual grasses.
27499	Oxadiazon 75WP (Oxadiazon)	Sealavender (Limonium sp.) L. perezii	Field In-Ground	Elmore	CA	1978	Over the top	Excellent pre-emergent control of purslane and pigweed; minor injury with 2 and 4 lb ai per acre.
27500	Oxadiazon 75WP (Oxadiazon)	Sealavender (Limonium sp.) L. perezii	Field In-Ground	Elmore	CA	1978	Over the top	Excellent pre-emergent control of purslane and pigweed; minor injury with 1, 2 and 4 lb ai per acre.
26904	Oxadiazon 75WP (Oxadiazon)	Pine (Pinus sp.) P. strobus	Field In-Ground	Ahrens	CT	1976	Over the top	No injury at 3 and 6 lb ai per acre; excellent pre-emergent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
28110	Oxadiazon 75WP (Oxadiazon)	Pine (Pinus sp.) P. halepensis	Field Container	Elmore	CA	1977	Over the top	Very slight injury at 4 lb ai per acre; no injury at 2 lb ai per acre.
28110	Oxadiazon 75WP (Oxadiazon)	Pine (Pinus sp.) P. thunbergii	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.
03475	Oxadiazon 75WP (Oxadiazon)	Azalea & Rhododendron (Rhododendron sp.)	Field In-Ground	Cohen	NC	1975	Over the top	No injury at 5 and 7 lb ai per acre; excellent control of crabgrass and carpetweed.
03475	Oxadiazon 75WP (Oxadiazon)	Azalea & Rhododendron (Rhododendron sp.)	Field In-Ground	Cohen	NC	1975	Over the top	No visible damage at 6 and 8 lb ai per acre; no control of white-heath aster and horseweed.

PR#	Product (Active Ingredients)	Crop	Production Site	Researcher	Trial State	Trial Year	Application Type	Results
05768	Oxadiazon 75WP (Oxadiazon)	Yew (Taxus sp.) T. cuspidata	Field In-Ground	Ahrens	CT	1975	Over the top	No injury at 2 and 4 lb ai per acre; excellent pre-emergent weed control.
05768	Oxadiazon 75WP (Oxadiazon)	Yew (Taxus sp.) T. cuspidata	Field In-Ground	Ahrens	CT	1976	Over the top	No injury at 3 and 6 lb ai per acre; excellent pre-emergent control of crabgrass, stinkgrass, fall panicum, carpetweed, lambsquarters, and oxalis.
28108	Oxadiazon 75WP (Oxadiazon)	Red Cedar, Arborvitae (Thuja sp.) T. occidentalis	Field Container	Elmore	CA	1977	Over the top	No injury at 2 and 4 lb ai per acre.

Label Suggestions

It is suggested that the following 15 genera or species exhibiting no injury in these experiments be added to the Ronstar 2G label.

Abelia grandiflora
Buxus sp.
Clematis spp.
Cornus stonelifera
Cornus sp.
Cortaderia sp.

Euonymus japonica
Euonymus sp.
Fatsia japonica
Gaillardia aristata
Gardenia jasminoides
Lagorstromia indica

Pelargonium hortorum
Sedum acre
Sedum rupestre

IR-4 has very limited data for following list of 93 plants. However, if other available data demonstrate no or minimal transient injury for these crops, IR-4 supports placing these on the Ronstar 2G label also.

Achillea millefolium
Achillea tomentosa
Arctostaphylos stanfordiana
Agastache rupestris
Agapanthus sp.
Ageratum houstonianum
Ageratum sp.
Alyssum maritimum
Amaryllis sp.
Anemone pulsatilla
Anemone sp.
Aquilegia sp.
Asparagus virgatus
Aucuba japonica
Aucuba sp.
Begonia semperflorens
Callistemon citrinus
Calluna sp.
Camellia japonica
Campanula garganica major
Campanula persicifolia
Canna sp.
Carpobrotus edule
Ceanothus maritimus
Cerastium tomentosum
Chaenomeles japonica
Chrysanthemum/Dendranthema morifolium
Coreopsis lanceolata
Cornus serica
Cortaderia selloana

Cytisus purgans
Delosperma alba
Delphinium sp.
Diascia integerrima
Dichondra repens
Digitalis mertonensis
Epilobium canum angustifolium
Epilobium fleischeri
Erica sp.
Escallonia fradesi
Eucalyptus nicholii
Eucalyptus sideroxylon
Forsythia sp.
Gaillarda sp.
Gazania linearis
Hemerocallis sp.
Hosta lancifolia
Hydrangea macrophylla
Kalmia latifolia
Koelreuteria bipinnata
Leucothoe sp.
Lilium sp.
Liquidambar sp.
Liriope muscari
Liriope sp.
Liriope spicata
Ophiopogon japonicas
Osmanthus fortunei
Osteospermum barberi compactum
Osteospermum sp.
Othonna capensis

Pennisetum setaceum
Penstemon mexicali
Phalaris arundinacea
Philadelphus virginialis
Phlox paniculata
Picea pungens
Portulaca grandiflora
Potentilla tabernaemontani
Protea nerifoliath
Pseudotsuga menziesii
Punica granatum
Pyracantha sp.
Pyrus communis
Rhamnus sp.
Rumohra adiantiformis
Salvia argentea
Salvia x sylvestris
Scabiosa caucasica
Schefflera sp.
Sedum album
Sedum × graptosedum
Sequoia sempervirens
Tagetes patula
Tagetes sp.
Veronica spicata
Vinca sp.
Viola wittrockiana
Weigela sp.
Wisteria sp.
Zinnia elegans

It is suggested that the following 5 genera or species exhibiting no injury in these experiments be added to the Ronstar Flo and Ronstar 50WP labels.

Gypsophila paniculata
Juniperus pfitzeriana

Juniperus sp.
Juniperus tolurosa

Rhododendron spp.

IR-4 has very limited data for following list of 36 plants. However, if other available data demonstrate no or minimal transient injury for these crops, IR-4 supports placing these on the Ronstar Flo and Ronstar 50WP labels also.

Abelia grandiflora
Agave sp.
Aquilegia x hybrid
Arctostaphylos stanfordiana
Anemone pulsatilla
Aucuba japonica
Aucuba sp.
Betula sp.
Cleyera japonica
Cortaderia sp.
Cotoneaster parneyi
Eucalyptus sp.
Euonymus sp.
Forsythia intermedia
Gaillardia aristata
Gardenia sp.
Kalmia latifolia
Ligustrum japonicum
Ligustrum lucidum

Ligustrum sp.
Liriope muscari
Liriope sp.
Magnolia stellata
Petunia sp.
Photinia sp.
Pinus halepensis.
Pinus thunbergii
Podocarpus macrophyllus
Prunus serrulata
Potentilla tabernaemontani
Pyracantha sp.
Quercus alba
Quercus borealis
Quercus wislizenii
Taxus cuspidata
Viburnum sp.

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