

Resumo Geral de Plantas Geneticamente modificadas aprovadas para Comercialização

| Produto | Nome Comercial      | Identificador único                       | Eventos                   | Organismo Doador   | Característica                                | Proteína                              | Requerente                  | Ano de aprovação | Parecer   |
|---------|---------------------|---|---------------------------|--|---|---------------------------------------|-----------------------------|------------------|-----------|
| Soja    | Roundup Ready       | MON-Ø4032-6                               | GTS-40-3-2                | <i>Agrobacterium tumefaciens</i>   | Tolerante a Herbicida                         | CP4-EPSPS                             | Monsanto                    | 1998             | Com 54/98 |
|         | Cultivance          | BPS-CV127-9                               | BPS-CV-127-9              | <i>Arabidopsis thaliana</i>  | Tolerante a Herbicida                         | Csr-1-2                               | BASF & Embrapa              | 2009             | 2236/09   |
|         | Liberty Link™       | ACS-GMØØ5-3                               | A2704-12                  | <i>Streptomyces viridochromogenes</i>  | Tolerante a Herbicida                         | PAT                                   | Bayer                       | 2010             | 2286/10   |
|         | Liberty Link™       | ACS-GMØØ6-4                               | A5547-127                 | <i>Streptomyces viridochromogenes</i>  | Tolerante a Herbicida                         | PAT                                   | Bayer                       | 2010             | 2273/10   |
|         | Intacta RR2 PRO     | MON-87701-2 x MON-89788-1                 | MON87701 & MON89788       | <i>Agrobacterium tumefaciens/Bacillus thuringiensis</i>                                | Tolerante a Herbicida e Resistência a insetos | CP4-EPSPS Cry1Ac                      | Monsanto                    | 2010             | 2542/10   |
|         | ***                 | ***                                       | DAS-68416-4               | <i>Delftia acidovorans Streptomyces viridochromogenes</i>                              | Tolerante a herbicidas                        | aad12 pat                             | Dow Agrosciences            | 2015             | 4410/15   |
|         | ***                 | MST-FGØ72-2                               | FG72                      | <i>Pseudomonas fluorescens Zea mays</i>  | Tolerante a herbicidas                        | hppd 2mepsps                          | Bayer                       | 2015             | 4750/15   |
|         | ***                 | ***                                       | DAS44406-6)               | <i>Delftia acidovorans/Zea mays/Streptomyces viridochromogenes</i>                     | Tolerante a Herbicidas                        | aad-12 v1 pat 2mepsps                 | Dow Agrosciences            | 2015             | 4867/15   |
|         | ***                 | ***                                       | FG72 x A55547-127         | <i>Pseudomonas fluorescens Zea mays Streptomyces viridochromogenes</i>                 | Tolerante a Herbicidas                        | hppd 2mepsps pat                      | Bayer                       | 2015             | 4866/15   |
| Milho   | Yield Gard          | MON-ØØ810-6                               | MON810                    | <i>Bacillus thuringiensis</i>  | Resistente a insetos                          | Cry1Ab                                | Monsanto                    | 2007             | 1100/07   |
|         | Liberty Link        | ACS-ZMØØ3-2                               | T25                       | <i>Streptomyces viridochromogenes</i>  | Tolerante a Herbicida                         | PAT                                   | Bayer                       | 2007             | 987/07    |
|         | TL                  | SYN-BTØ11-1                               | Bt                        | <i>Bacillus thuringiensis/Streptomyces viridochromogenes</i>                           | Resistente a insetos e Tolerante a herbicidas | Cry1Ab PAT                            | Syngenta                    | 2007             | 1255/08   |
|         | Roundup Ready 2     | MON-ØØ6Ø3-6                               | NK603                     | <i>Agrobacterium tumefaciens</i>   | Tolerante a Herbicida                         | CP4-EPSPS                             | Monsanto                    | 2008             | 1596/08   |
|         | TG                  | MON-ØØØ21-9                               | GA21                      | <i>Zea mays</i>  | Tolerante a Herbicida                         | mEPSPS                                | Syngenta                    | 2008             | 1597/08   |
|         | Herculex            | DAS-Ø15Ø7-1                               | TC1507                    | <i>Bacillus thuringiensis/Streptomyces viridochromogenes</i>                           | Resistente a insetos e Tolerante a herbicida  | Cry1F PAT                             | Du Pont & DowAgroScience    | 2008             | 1679/08   |
|         | YR YieldGard/RR2    | MON-ØØ6Ø3-6<br>MON-ØØ810-6                | NK603 & MON810            | <i>Agrobacterium tumefaciens/Bacillus thuringiensis</i>                                | Tolerante a Herbicida e Resistência a insetos | CP4-EPSPS Cry1Ab                      | Monsanto                    | 2009             | 2041/09   |
|         | TL/TG               | SYN-BTØ11-1<br>MON-ØØØ21-9                | Bt11 & GA21               | <i>Bacillus thuringiensis/Streptomyces viridochromogenes/Zea Mays</i>                  | Tolerante a Herbicida e Resistência a insetos | Cry1Ab PAT mEPSPS                     | Syngenta                    | 2009             | 2040/09   |
|         | Viptera-MIR162      | SYN-IR162-4                               | MIR162                    | <i>Bacillus thuringiensis</i>  | Resistente a Insetos                          | VIP3Aa20                              | Syngenta                    | 2009             | 2042/09   |
|         | HR Herculex/RR2     | DAS-Ø1507-1<br>MON-ØØ6Ø3-6                | TC1507 & NK603            | <i>Bacillus thuringiensis/Streptomyces viridochromogenes/Agrobacterium tumefaciens</i> | Resistente a Inseto e Tolerante a Herbicida   | Cry1F PAT CP4-EPSPS                   | Du Pont                     | 2009             | 2053/09   |
|         | Pro                 | MON-89Ø34                                 | MON89034                  | <i>Bacillus thuringiensis</i>  | Resistente a insetos                          | Cry1A.105 Cry2Ab2                     | Monsanto                    | 2009             | 2052/09   |
|         | TL TG Viptera       | SYN-BTØ11-1 SYN-IR162-4 MON-ØØØ21-9       | Bt11 & MIR162 & GA21      | <i>Bacillus thuringiensis/Streptomyces viridochromogenes/Zea Mays</i>                  | Resistente a insetos e Tolerante a herbicida  | Cry1Ab VIP3Aa20 mEPSPS                | Syngenta                    | 2010             | 2722/10   |
|         | PRO2                | MON-89Ø34-3<br>MON-ØØ6Ø3-6                | MON89034 7 NK603          | <i>Bacillus thuringiensis/Agrobacterium tumefaciens</i>                                | Resistente a insetos e Tolerante a herbicida  | Cry1A.105 Cry2Ab2 CP4-EPSPS           | Monsanto                    | 2010             | 2725/10   |
|         | Yield Gard VT       | MON-88Ø17-3                               | MON88017                  | <i>Agrobacterium tumefaciens/Bacillus thuringiensis</i>                                | Tolerante a Herbicida e Resistência a insetos | CP4-EPSPS Cry3Bb1                     | Monsanto                    | 2010             | 2761/10   |
|         | Power Core PW/Dow   | MON-89Ø34-3<br>DAS-Ø15Ø7-1<br>MON-ØØ6Ø3-6 | MON89034 & TC1507 & NK603 | <i>Bacillus thuringiensis/Streptomyces viridochromogenes/Agrobacterium tumefaciens</i> | Resistente a insetos e Tolerante a herbicida  | Cry1A.105 Cry2Ab2 Cry1F PAT CP4-EPSPS | Monsanto e Dow Agrosciences | 2010             | 2753/10   |
|         | HX YG RR2           | MON-ØØ810-6<br>DAS-Ø15Ø7-1<br>MON-ØØ6Ø3-6 | MON810 & TC1507 & NK603   | <i>Bacillus thuringiensis/Streptomyces viridochromogenes/Agrobacterium tumefaciens</i> | Tolerante a Herbicida e Resistência a insetos | cry1Ab Cry1F PAT CP4EPSPS             | Du Pont                     | 2011             | 2955/11   |
|         | TC1507xMON810       | DAS-Ø1507 & MON810                        | TC1507 & MON810           | <i>Bacillus thuringiensis/Streptomyces viridochromogenes</i>                           | Tolerante a Herbicida e Resistente a insetos  | Cry1F Cry1Ab PAT                      | Du Pont                     | 2011             | 3021/11   |
|         | MON89034 x MON88017 | MON-89Ø34-3<br>MON-88Ø17-3                | MON89034 & MON88017       | <i>Bacillus thuringiensis/Agrobacterium tumefaciens</i>                                | Tolerante a Herbicida e Resistente a insetos  | Cry1A.105 Cry2Ab2 Cry3Bb1 CP4-EPSPS   | Monsanto                    | 2011             | 3045/11   |

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|                      |   |   |  |   |  |                          |      |         |
|----------------------|---|---|--|---|--|--------------------------|------|---------|
| Herculex XTRA™ maize | DAS-Ø15Ø7-1 DAS-59122-7                         | TC1507 x DAS-59122-7                              | <i>Bacillus thuringiensis/Streptomyces viridochromogenes</i>                           | Tolerante a Herbicida e Resistente a insetos    | Cry1F PAT cry34Ab1 cry35Ab1                | Du Pont & DowAgroScience | 2013 | 3674/13 |
| Viptera4             | SYN-BTØ11-1 SYN-IR162-4 SYN-IR6Ø4-5 MON-ØØØ21-9 | Bt11xMIR162xMIR604xGA21                           | <i>Bacillus thuringiensis/Streptomyces viridochromogenes/Zea mays</i>                  | Tolerante a Herbicida e Resistente a insetos    | Cry1Ab PAT VIP3Aa20 mcry3AmEPSPS           | Syngenta                 | 2014 | 4207/14 |
| MIR 604              | SYN-IR6Ø4                                       | MIR604  | <i>Bacillus thuringiensis</i>  | Resistente a insetos                            | mcry3A                                     | Syngenta                 | 2014 | 4207/14 |
| ***                  | ***   | DAS-40278-9                                       | <i>Sphingobium herbicidorovans</i>   | Tolerante a herbicida                           | <i>aad-1v3</i>                             | Dow Agrosciences         | 2015 | 4406/15 |
| ***                  | MON-ØØ6Ø3-6 ACS-ZMØØ3-2                         | NK603 x T25                                       | <i>Agrobacterium tumefaciens Streptomyces viridochromogenes</i>                        | Tolerante a herbicida                           | CP4-EPSPS PAT                              | Monsanto                 | 2015 | 4407/15 |
| ***                  | DAS-Ø15Ø7-1 MON-ØØ810-6 SYN-IR162-4 MON-ØØ6Ø3-6 | TC15Ø7 x MON81Ø x MIR162 x NK6Ø3 e subcombinações | <i>Bacillus thuringiensis Streptomyces viridochromogenes Agrobacterium tumefaciens</i> | Tolerante a herbicida & resistência a insetos   | <i>cry1F cry1Ab PAT VIP3Aa20 CP4-EPSPS</i> | Du Pont (RN15)           | 2015 | 4409/15 |
| ***                  | DAS-Ø15Ø7-1 SYN-IR162-4 MON-ØØ6Ø3-6             | TC1507xMIR162xNK603                               | <i>Bacillus thuringiensis Streptomyces viridochromogenes Agrobacterium tumefaciens</i> | Tolerância a herbicida & resistência a insetos  | <i>cry1F PAT VIP3Aa20 CP4-EPSPS</i>        | Du Pont (RN15)           | 2015 | 4409/15 |
| ***                  | DAS-Ø15Ø7-1 SYN-IR162-4                         | TC1507xMIR162                                     | <i>Bacillus thuringiensis Streptomyces viridochromogenes Bacillus thuringiensis</i>    | Tolerância a herbicidas & resistência a insetos | <i>cry1F PAT VIP3Aa20</i>                  | Du Pont (RN15)           | 2015 | 4409/15 |
| ***                  | SYN-IR162-4 MON-ØØ6Ø3-6                         | MIR162xNK603                                      | <i>Bacillus thuringiensis Agrobacterium tumefaciens</i>                                | Tolerância a herbicidas & resistência a insetos | <i>VIP3Aa20 CP4-EPSPS</i>                  | Du Pont (RN15)           | 2015 | 4409/15 |
| ***                  | MON-ØØ810-6 SYN-IR162-4                         | MON810xMIR162                                     | <i>Bacillus thuringiensis</i>  | Resistência a insetos                           | <i>Cry1Ab VIP3Aa20</i>                     | Du Pont (RN15)           | 2015 | 4409/15 |
| ***                  | DAS-Ø15Ø7-1 MON-ØØ810-6 SYN-IR162-4             | TC1507 x MON810 x MIR162                          | <i>Bacillus thuringiensis Streptomyces viridochromogenes</i>                           | Tolerância a herbicidas & resistência a insetos | <i>Cry1F pat VIP3Aa20 cry1Ab</i>           | Du Pont                  | 2015 | 4465/15 |

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|           |                              |                                     |   |  |  |   |                  |      |         |
|-----------|------------------------------|-------------------------------------|---|--|--|---|------------------|------|---------|
|           | ***                          | ***                                 | DAS-40278-9xNK603   | <i>Sphingobium herbicidorovans Agrobacterium tumefaciens</i>   | Toleância a herbicidas                               | <i>AAD-1 epsps</i>                                      | Dow Agrosciences | 2015 | 4763/15 |
|           | ***                          | ***                                 | MilhoBt11xMIR162xMIR604xTC1 507x5307xGA21 e subcombinações (Bt11xMIR162 e 5307) | <i>Bacillus thuringiensis Streptomyces viridochromogenes</i>   | Tolerância a herbicidas & resistência a insetos      | <i>eCry3.1Ab cry1Ab Vip3Aa20 cry3A cry1F pat mepsps</i> | Syngenta         | 2015 | 4764/15 |
|           | ***                          | ***                                 | SPT 32138   | <i>Dicossoma sp/Zea mays</i>   | Restauração de fertilidade para produção de sementes | <i>zm-aal; ms45; dsred2(ALT1);</i>                      | Du Pont          | 205  | 4865/15 |
|           | ***                          | ***                                 | MON89034xTC1507xNK603xDAS 40278-9   | <i>Bacillus thuringiensis/Streptomyces viridochromogenes/Agrobacterium tumefaciens/Sphingobium herbicidorovans</i> | Tolerância a herbicidas & resistência a insetos      | <i>Cry1A.105 Cry2Ab2 Cry1F PAT CP4-EPSPS/aad-1</i>      | Dow Agrosciences | 2016 | 4949/16 |
| Algodão   | Bolgard I                    | MON-ØØ531-6                         | MON531  | <i>Bacillus thuringiensis</i>  | Resistente a insetos                                 | Cry1Ac  | Monsanto         | 2005 | 513/05  |
|           | Roundup Ready                | MON-Ø1445-2                         | MON1445   | <i>Agrobacterium tumefaciens</i>   | Tolerante a Herbicida                                | CP4-EPSPS   | Monsanto         | 2008 | 1598/08 |
|           | Liberty Link                 | ACS-GHØØ1-3                         | LLCotton25  | <i>Streptomyces viridochromogenes</i>  | Tolerante a Herbicida                                | PAT   | Bayer            | 2008 | 1521/08 |
|           | Bolgard I Roundup Ready      | MON-ØØ531-6 MON-Ø1445-2             | MON531&MON1445  | <i>Bacillus thuringiensis/Agrobacterium tumefaciens</i>  | Tolerante a herbicida & resistência a insetos        | Cry1Ac CP4-EPSPS  | Monsanto         | 2009 | 2051/09 |
|           | Widestrike                   | DAS-24236-5 DAS-21Ø23-5             | 281-24-236 & 3006-210-23  | <i>Bacillus thuringiensis/Streptomyces viridochromogenes</i>   | Tolerante a herbicida & resistência a insetos        | Cry1Ac Cry1F PAT  | Dow Agrosciences | 2009 | 1757/09 |
|           | Bolgard II                   | MON-15985-7                         | MON15985  | <i>Bacillus thuringiensis</i>  | Resistente a Insetos                                 | Cry2Ab2 Cry1Ac  | Monsanto         | 2009 | 1832/09 |
|           | GlyTol                       | BCS-GHØØ2-5                         | GHB614  | <i>Zea mays</i>  | Tolerante a herbicida                                | 2mEPSPS   | Bayer            | 2010 | 2754/10 |
|           | TwinLink                     | BCS-GHØØ4-7 BCS-GHØØ5-8             | T304-40 & GHB119  | <i>Bacillus thuringiensis/Streptomyces hygroscopicus</i>   | Resistente a insetos e Tolerante a herbicidas        | Cry1Ab Cry2Ae PAT                                       | Bayer            | 2011 | 2795/10 |
|           | MON88913                     | MON-88913-8                         | MON88913  | <i>Agrobacterium tumefaciens</i>   | Tolerante a Herbicida                                | CP4-EPSPS   | Monsanto         | 2011 | 2956/11 |
|           | GlytolxTwinLink              | BCS-GHØØ2-5 BCS-GHØØ4-7 BCS-GHØØ5-8 | GHB614 x T304-40 x GHB 119  | <i>Zea may/Bacillus thuringiensis/Streptomyces hygroscopicus</i>   | Tolerante a herbicida e resistência a insetos        | Cry1Ab, cry2Ae, 2mepsp                                  | Bayer            | 2012 | 3286/12 |
|           | GTXLL                        | BCS-GHØØ2-5 ACS-GHØØ1-3             | GHB614 x LLCotton25   | <i>Zea mays/Streptomyces viridochromogenes</i>   | Tolerante a Herbicida                                | 2mepsp, bar   | Bayer            | 2012 | 3290/12 |
|           | BolgardII Roundup Ready Flex | MON 15985-7 x MON 88913-8           | MON 15985 x MON 88913   | <i>Bacillus thuringiensis/Agrobacterium tumefaciens</i>  | Tolerante a Herbicida e Resistente a insetos         | cry1Ac e cry2Ab2 e CP4-EPSPS                            | Monsanto         | 2012 | 3365/12 |
| Feijão    | Embrapa 5.1                  | BEM-PVØ51-1                         | Embrapa 5.1   | <i>BGMV - Bean Golden Mosaic Virus</i>   | Resistente ao Vírus do Mosaico dourado do feijoeiro  | não se aplica   | Embrapa          | 2011 | 3024/11 |
| Eucalipto | ***                          | ***                                 | H421  | <i>Arabidopsis thaliana</i>  | aumento volumétrico de madeira                       | cell1   | Futuragene       | 2015 | 4408/15 |

\*\*\* Aguardam denominações