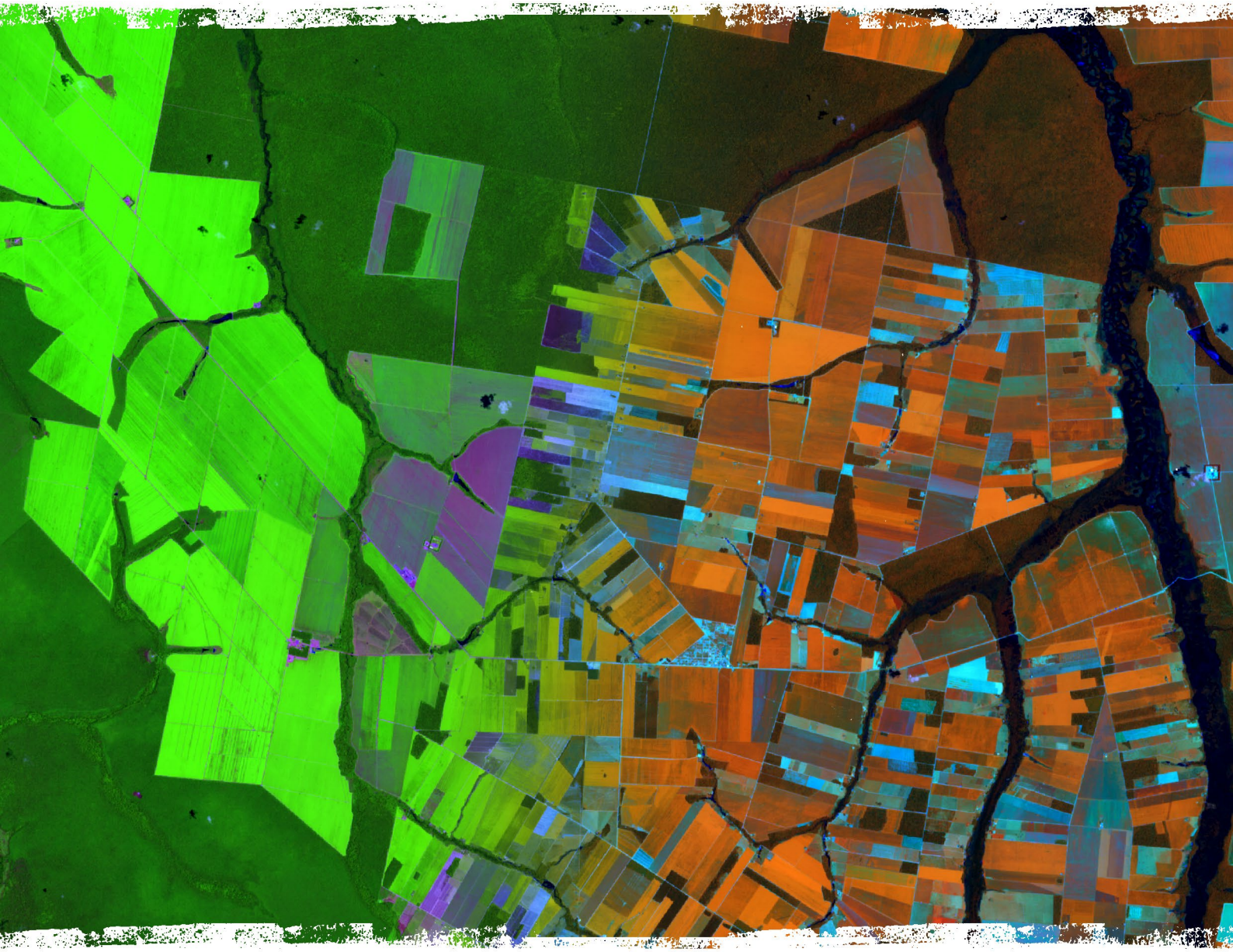
# SOY MORATORIUM

## Monitoring Soy in the Amazon Biome through Satellite Images

CROP YEAR 2020/21



ABIOVE
Associação Brasileira das Indústrias de Óleos Vegetais

GTS

INPE

agrosatélite
applied geotechnology

# EXECUTIVE SUMMARY

The Soy Moratorium has completed 15 years of existence, during which time it has always maintained its firm commitment to eliminate deforestation from the soy production chain. From the time it was first implemented, the Moratorium has invariably used the most advanced monitoring and mapping mechanisms to ensure that the soy produced in the Amazon Biome and traded by the Moratorium's signatories is free from deforestation [1, 2, 3, 4, 5, 6, 7].

The Soy Working Group (GTS), formed by ABIOVE's and ANEC's member companies and by civil society organisations, is responsible for the Soy Moratorium's governance and operations. The Moratorium is the world's most successful example of reconciling the development of large-scale agricultural production and environmental sustainability in its most critical aspect: zero deforestation [1].

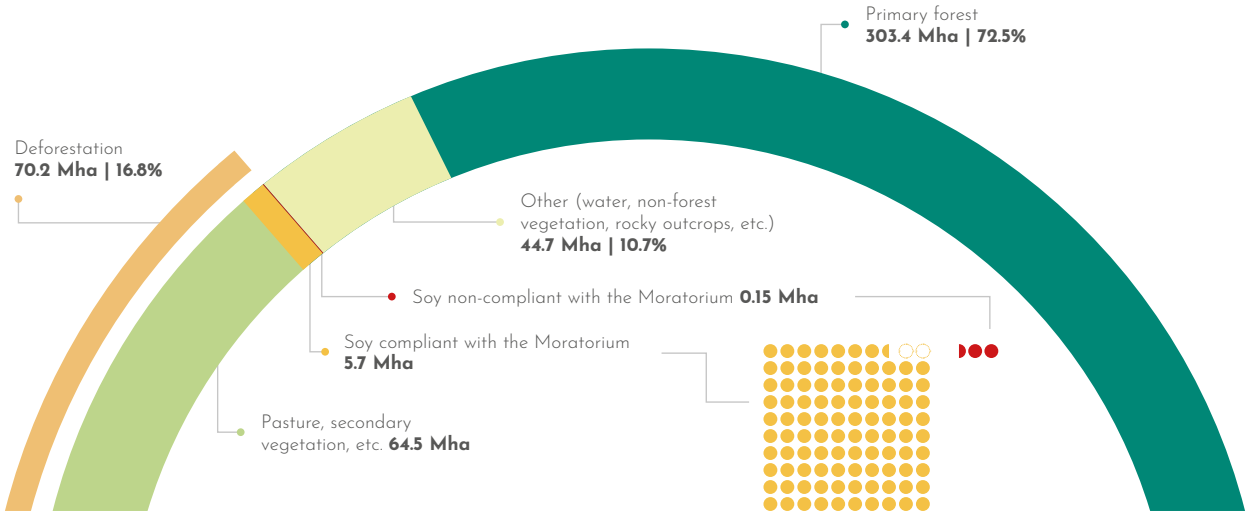
Since the 2007/08 crop year, soy has been expanding in the Amazon Biome at an average rate of 324,000 hectares per year, reaching 5.85 million hectares in the 2020/21 crop year. This clearly indicates that the Soy Moratorium has not suppressed the expansion of soy in the Amazon Biome but, rather, it has directed production into those areas that were deforested before the Moratorium was implemented, seeking to promote agricultural development in a sustainable manner [2].

In the Amazon Biome, 98% (5.73 million hectares) of the soy area in the 2020/21 crop year is located in the 109 municipalities that are the object of this study [8]. Based on the annual analyses made by PRODES (Programme for Satellite Monitoring of the Brazilian Amazon Forest), a programme run by INPE (National Institute for Space Research) [9, 10, 11], Amazon Biome deforestation between 22 July 2008 (the Moratorium's reference date; PRODES 2009) and the PRODES-2020 evaluation was 7.84 million hectares. Of this total, 3.17 million hectares are located in these 109 municipalities, where 147,112 hectares of soy were not compliant with the Moratorium's criteria.

This non-compliant area corresponds to 2.5% of the total soy area in the Amazon Biome in the 2020/21 crop year, to 1.9% of the accumulated deforestation between 2008 and 2020, and to 4.6% of the total deforestation in the 109 soy-producing municipalities. In other words, 95.4% of the deforestation in these municipalities during the Soy Moratorium period is not associated with forest conversion into soy. It should also be noted that 76% of the soy that does not comply with the Soy Moratorium is concentrated in just 16 municipalities.

This report describes the methodology used for mapping and monitoring, and presents the results related to soy areas in the Amazon Biome that were not compliant with the Soy Moratorium in the 2020/21 crop year.

## Land Use and Land Cover in the Amazon Biome
## 2020



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# ACRONYMS

**ABIOVE**
Brazilian Association of Vegetable Oil Industries

**AGROSATÉLITE**
Agrosatélite Applied Geotechnology Ltd.

**ANEC**
National Association of Grain Exporters

**EMBRAPA**
Brazilian Agricultural and Livestock Research Company

**FUNAI**
National Foundation for Native Indians

**GTS**
Soy Working Group

**IBGE**
Brazilian Institute of Geography and Statistics

**INCRA**
National Institute for Colonisation and Agrarian Reform

**INPE**
National Institute for Space Research

**MMA**
Ministry of the Environment

**PPCDAm**
Action Plan for Prevention and Control of Deforestation in Legal Amazon

**PRODES**
Programme for Satellite Monitoring of the Brazilian Amazon Forest

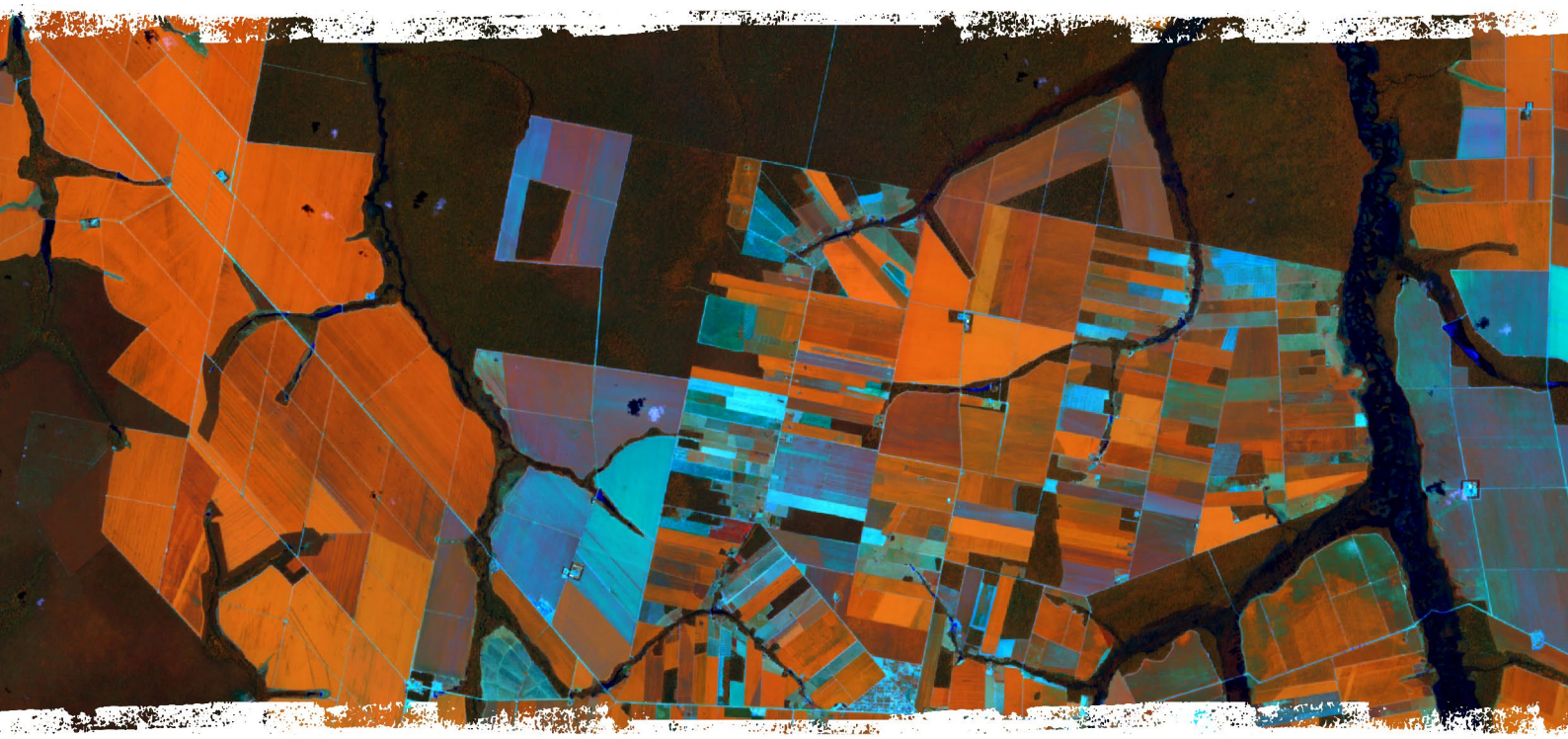
**Brazilian States:**
**MT** – Mato Grosso; **PA** – Pará; **RO** – Rondônia;
**MA** – Maranhão; **RR** – Roraima; **AP** – Amapá; and **TO** – Tocantins.

# 1. Introduction

The Soy Moratorium is the commitment undertaken by its signatories that has been in effect since 2006. Its objective is to eliminate forest conversion into soy crops in the Amazon Biome, and promote environmental sustainability in the soy chain in both domestic and international markets.

The new Forest Code [12], established 22 July 2008 as the defining date for the consolidated rural area, and the GTS has adopted this date as the reference date for the Soy Moratorium. The Moratorium's signatories have suspended the acquisition and financing of soy grown on rural properties in areas deforested after this date.

The mapping and monitoring of soy crops in areas deforested after 2008 are carried out through remote sensing satellite images with spatial and temporal resolutions that are complementary. These images are carefully analysed by an experienced team of interpreters. To complement the analyses carried out during the monitoring, the georeferenced database of PRODES/INPE [9] for deforestation in the Amazon Biome is also used, as are the georeferenced databases of the following institutions: Agrosatélite [8], FUNAI [13], MMA [14], IBGE [15] and INCRA [16].



# 2. Scope of the Study

The scope of this study is to identify and map, through remote sensing satellite images, soy crops in the Amazon Biome in the 2020/21 crop year in deforested areas mapped by PRODES/INPE (2009 to 2020) after 22 July 2008. The Moratorium is limited to private rural properties located in municipalities with a soy area close to or over 5,000 hectares in the Amazon Biome. Agrarian reform settlement areas, conservation units and indigenous lands are not monitored.

# 3. Methodology

In the first stage of this study, the municipalities representing 97.9% (5.73 million hectares) of the soy area in the Amazon Biome were selected, followed by the deforested polygons mapped by PRODES/INPE for these municipalities during the Soy Moratorium. Subsequently, the soy crops in these deforested areas were identified and mapped through remote sensing satellite images. The detailed methodology follows.

## 3.1 Definition of the study area

In 2021, ABIOVE, in partnership with Agrosatélite, prepared a soy map for the Amazon Biome, which identified a total of 5.85 million hectares of soy grown in the 2020/21 crop year (Figure 1). This mapping made it possible to identify the municipalities with a soy area over 5,000 hectares for monitoring in this cycle, in accordance with the Soy Moratorium criteria. In all, 109 municipalities met this minimum soy area criterion and were included in the study area. Together, these 109 municipalities account for 97.9% (5.73 million hectares) of the Biome's soy area. The remaining 2.1% of the soy area is distributed among a further 92 municipalities.

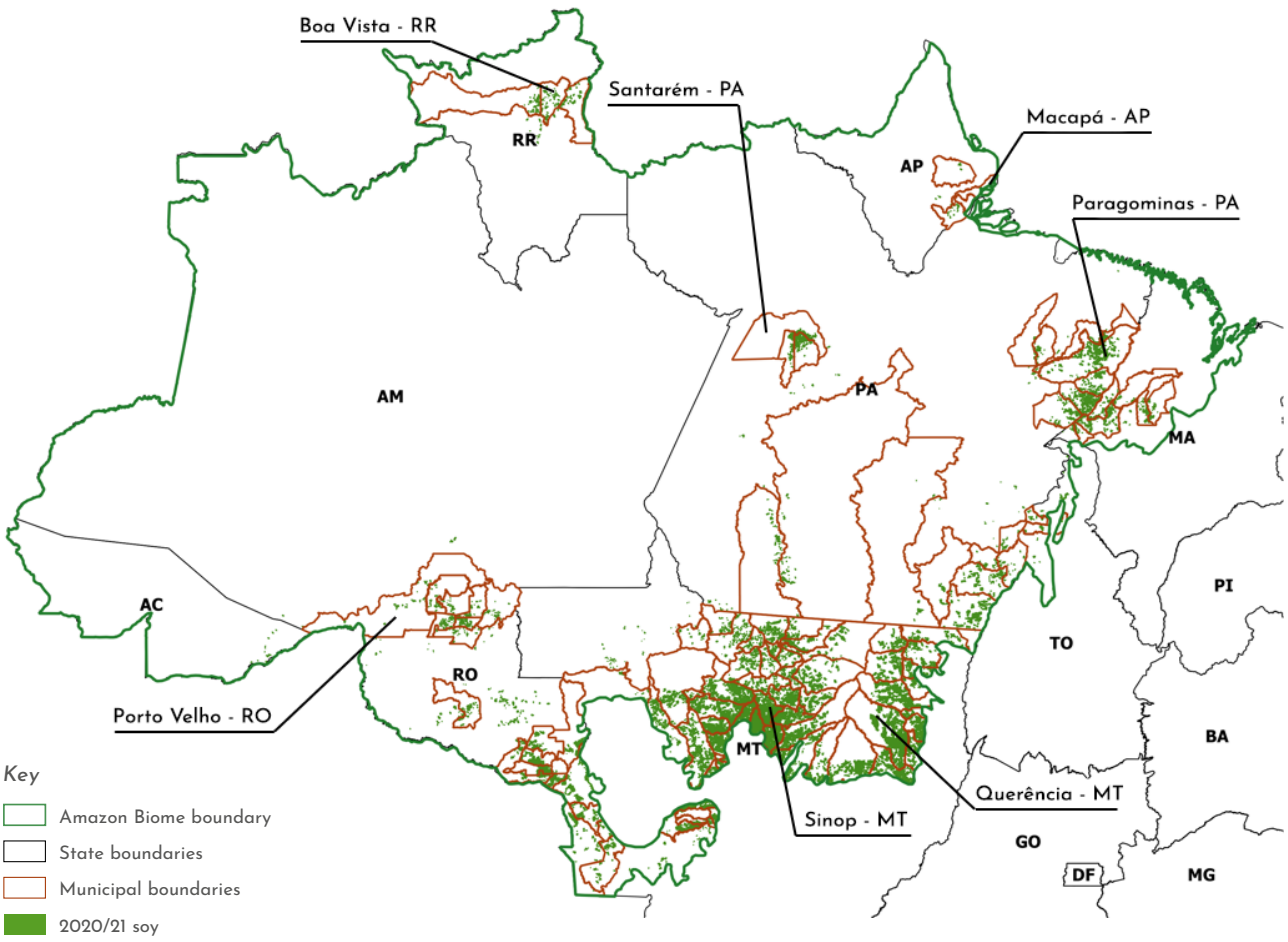



**Figure 1.** Location of the soy area in the Amazon Biome [15] and the 109 municipalities with over 5,000 hectares of soy in the 2020/21 crop year

Of the selected municipalities, 61 are in Mato Grosso state, 20 in Pará state, 15 in Rondônia state, 6 in Maranhão state, 3 in Roraima state, 2 in Amapá state and 2 in Tocantins state.

In the second stage of defining the study area, the polygons mapped by PRODES/INPE (PRODES-2009 to PRODES-2020) [9] were selected, based on the following criteria:

1. **The polygons had to be fully or partially within the Amazon Biome, using the same boundaries for the Biome as were used in the previous years of the Soy Moratorium, as determined by the GTS (source: IBGE) [15].**
2. **The polygons had to be fully or partially in at least one of the 109 municipalities identified as having over 5,000 hectares of soy.**
3. **The polygons had to be located on private rural properties and outside indigenous lands, conservation units and settlements [13, 14, 16], which are public areas under the responsibility of government environmental agencies at the federal and state level.**
4. **The polygons had to have an area of more than 25 hectares after aggregation of adjoining polygons (Item 3.3).**

Figure 2 shows the geographical distribution of the 109 municipalities with over 5,000 hectares of soy, as well as the conservation units, indigenous lands and settlements used to define the study area, in accordance with the criteria listed above.

It should be noted that, where a municipality is only partially located within the Amazon Biome, the data analysed was limited to the area located within the Biome.

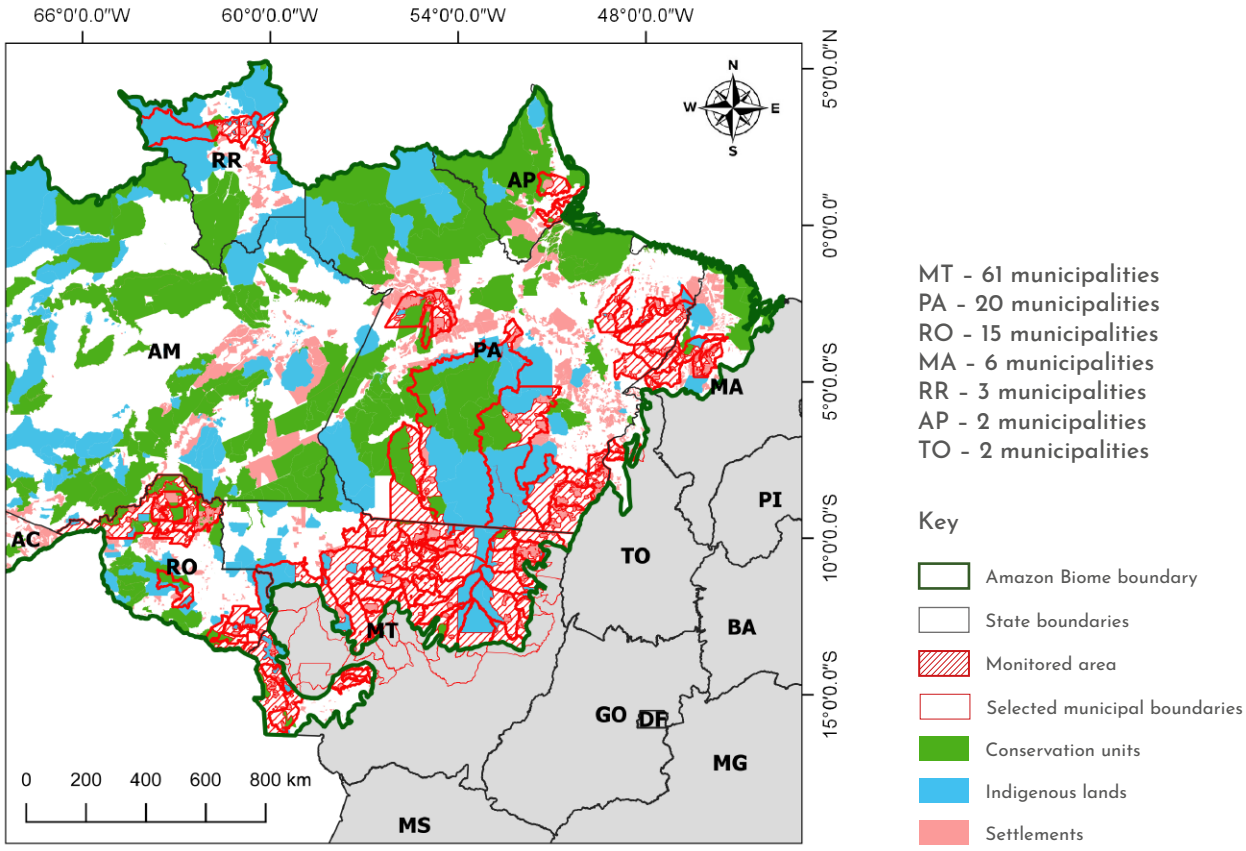


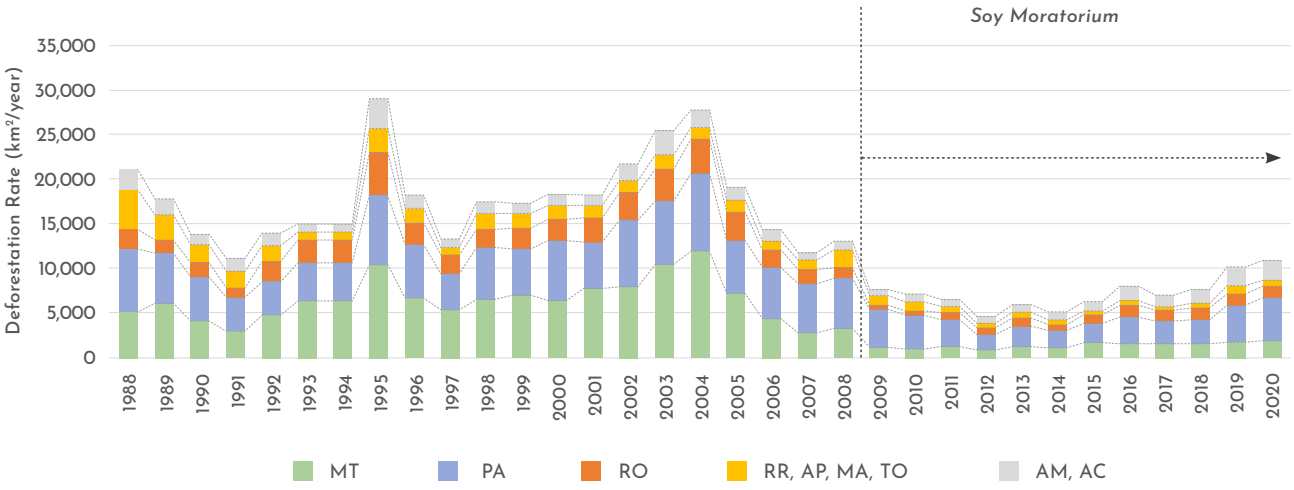

**Figure 2.** Area monitored in the 109 selected municipalities

## 3.2 Deforestation mapped by PRODES

Since 1988, the PRODES programme, developed and executed by INPE [9], has mapped deforested areas and calculated annual deforestation rates in the Legal Amazon. The results of this mapping are available on the internet in the form of graphs, tables, reports and a georeferenced database. These data contain the boundaries of the deforested areas (polygons) and information on the year in which each mapped polygon was deforested.

Figure 3 shows the evolution of deforestation rates in the Amazon calculated by PRODES/INPE, highlighting the period after the Soy Moratorium reference date of 22 July 2008. From 2008 to 2009, deforestation rates fell by more than 50%, and then remained relatively stable at an average rate of 6,071 km$^2$/year until 2018. In 2019 and 2020,

the deforestation rate increased to 10,129 km²/year and 10,851 km²/year, respectively. The increase was observed in all the states, most prominently in the state of Pará.




**Source:** Adapted from INPE [2] (terrabrasilis.dpi.inpe.br). A PRODES year runs from 01 August to 31 July of the following year.

**Figure 3.** PRODES/INPE deforestation rates (km²/year) for the Legal Amazon, highlighting the period of the Soy Moratorium

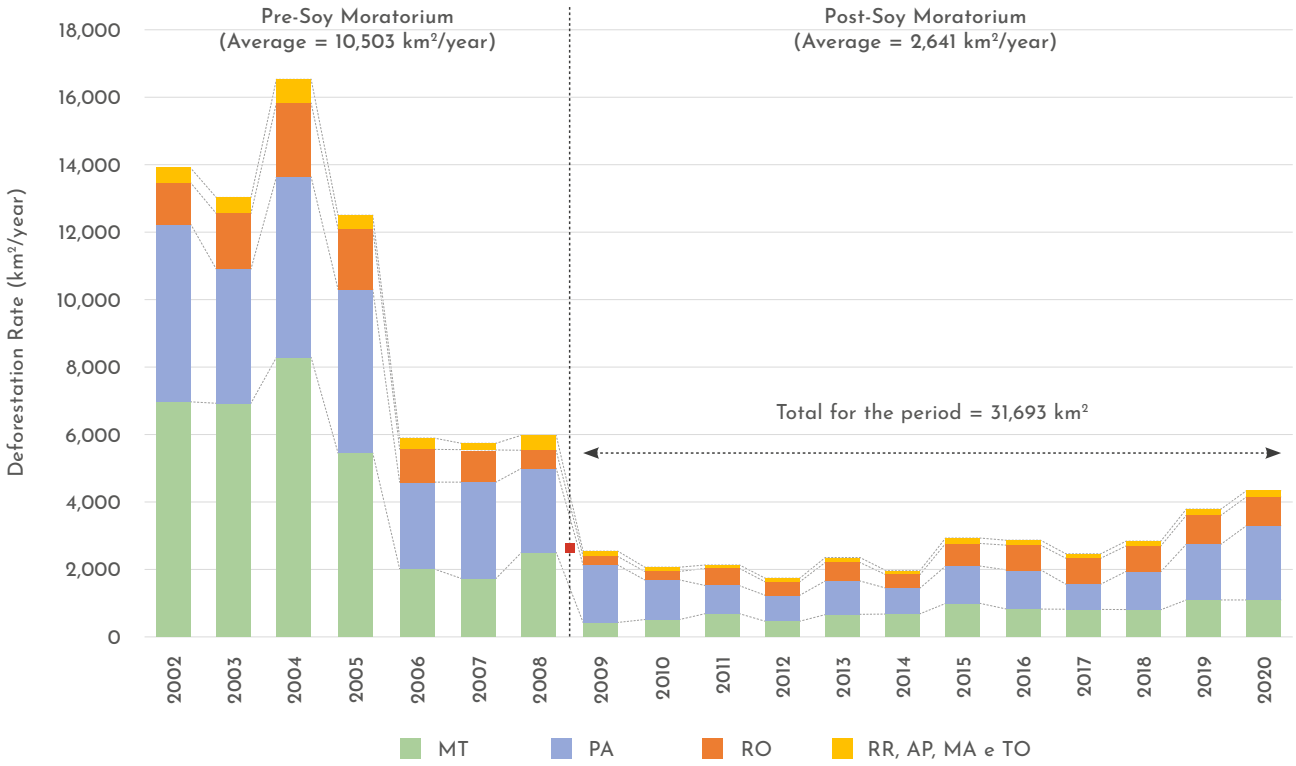
Table 1 shows the figures of the deforested areas in the Amazon Biome (not including areas of the Cerrado and the Pantanal Biomes located in Legal Amazon), mapped by PRODES/INPE during the Soy Moratorium for the states it monitors: Mato Grosso, Pará, Rondônia, Roraima, Amapá, Maranhão and Tocantins.

| State | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MT** | 71,976 | 68,129 | 91,904 | 70,411 | 100,136 | 101,353 | 136,654 | 131,419 | 127,320 | 134,792 | 178,080 | 174,000 | **1,386,174** |
| **PA** | 355,892 | 331,746 | 251,068 | 169,862 | 210,047 | 179,702 | 230,466 | 276,043 | 257,256 | 259,960 | 446,273 | 461,814 | **3,430,129** |
| **RO** | 42,521 | 43,129 | 76,376 | 69,171 | 96,275 | 76,219 | 96,067 | 119,460 | 127,816 | 120,656 | 140,089 | 130,816 | **1,138,595** |
| **RR** | 11,134 | 23,514 | 12,962 | 10,747 | 14,841 | 18,900 | 15,429 | 22,853 | 12,188 | 12,597 | 54,344 | 32,145 | **241,654** |
| **AP** | 4,746 | 7,103 | 1,661 | 1,931 | 2,424 | 2,912 | 1,911 | 1,241 | 1,727 | 2,443 | 3,906 | 1,034 | **33,039** |
| **MA** | 45,445 | 24,580 | 17,372 | 11,694 | 15,948 | 13,890 | 11,230 | 13,023 | 15,102 | 8,978 | 16,641 | 22,987 | **216,890** |
| **TO** | 2,345 | 2,893 | 1,231 | 1,039 | 1,828 | 1,191 | 1,595 | 1,827 | 1,274 | 621 | 995 | 980 | **17,819** |
| **Total** | 534,059 | 501,094 | 452,574 | 334,855 | 441,499 | 394,167 | 493,352 | 565,866 | 542,683 | 540,047 | 840,328 | 823,776 | 6,464,300 |

**Source:** INPE [2]
NB. PRODES/INPE records deforestation from August of one year to July of the following year.

**Table 1.** Annual deforestation (in hectares) in the Amazon Biome during the Soy Moratorium (PRODES-2009 to PRODES-2020), in the states of MT, PA, RO, RR, AP, MA and TO (terrabrasilis.dpi.inpe.br)

Figure 4 shows the deforestation mapped by PRODES/INPE for the period from 2002 to 2020 in the 109 municipalities in the Amazon Biome monitored by the Soy Moratorium. With the creation of PPCDAm [17], integrated inspections, adoption of the Forest Code and implementation of the Soy Moratorium, the deforestation rates in the soy-producing municipalities fell drastically. The average deforestation rate fell from 10,503 km²/year before the Soy Moratorium (2002-2008) to 2,641 km²/year during the Moratorium (2009-2020). However, the highest annual deforestation in these municipalities during the Moratorium has occurred in the last two years (2019 and 2020). The 20 municipalities in Pará state (Figure 2) were alone responsible for 52% of the 2020 deforestation in the 109 monitored municipalities (Figure 4).




**Source:** Adapted from INPE's [2] georeferenced database

**Figure 4.** PRODES/INPE deforestation rates (km²/year) for the 109 monitored municipalities in the Amazon Biome, indicating the years before and after the Soy Moratorium

## 3.3 Aggregation of adjacent deforested polygons

Because the Soy Moratorium is focused on large-scale agriculture, the GTS established that that the monitored deforested areas mapped by PRODES should be no less than 25 hectares. Although a significant part of the annual deforestation occurs in areas with less than 25 hectares, these areas become subject to monitoring in subsequent years when newly deforested areas are aggregated to form polygons of more than 25 hectares. Figure 5 illustrates the procedure for aggregating adjacent polygons that were deforested in different years to form polygons of 25 hectares or more.

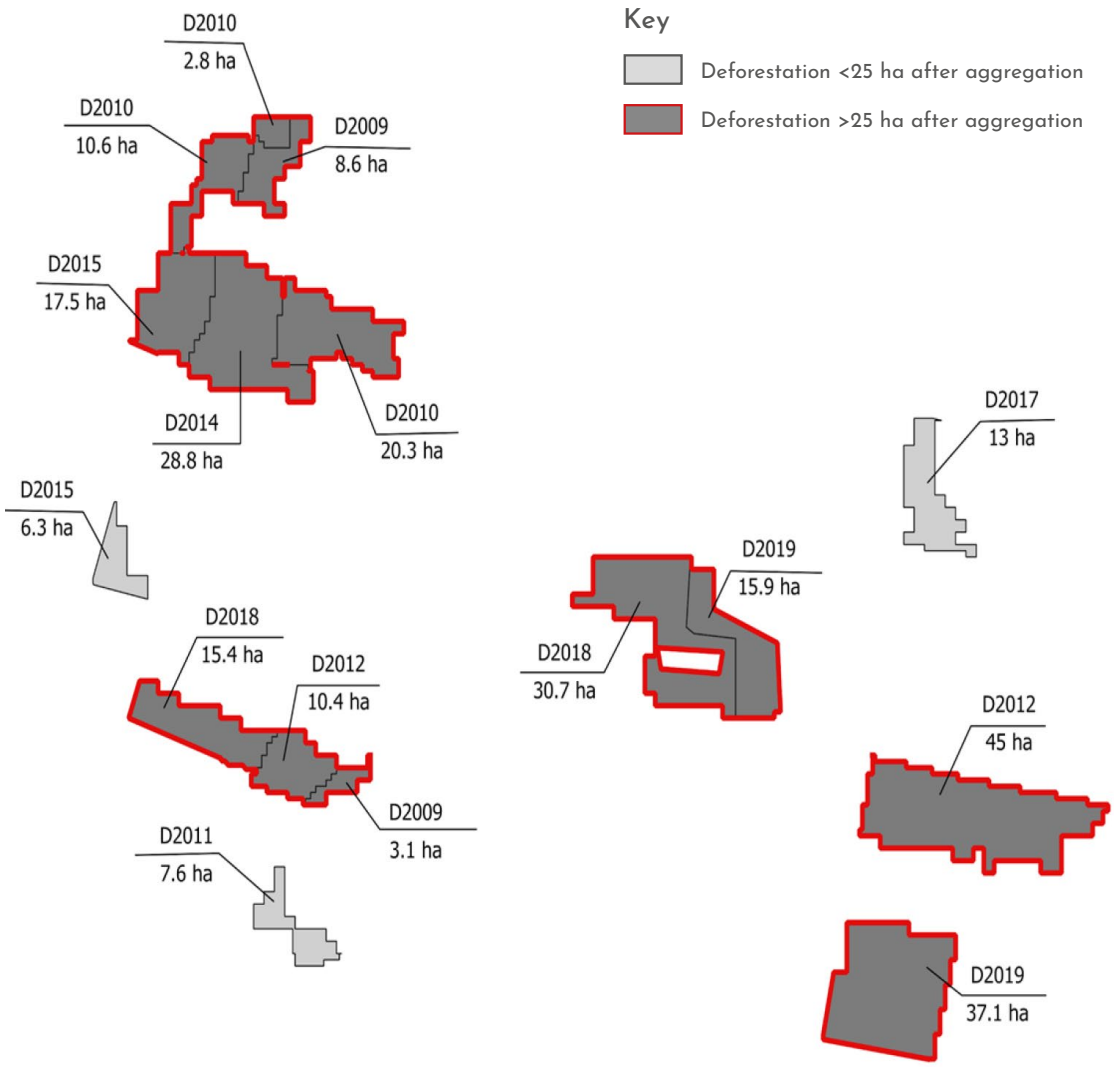



**Figure 5.** Aggregation of adjacent polygons mapped by PRODES/INPE between 2009 and 2020, forming polygons of 25 or more hectares that are subject to monitoring (dark grey polygons). The light-grey polygons are not monitored as they have less than 25 hectares.

## 3.4 Identification of soy in deforested areas

Soy crops in deforested areas targeted by the Soy Moratorium are identified by the ongoing monitoring and analysis of remote sensing satellite images. Over the last few years, several satellites have been launched that provide favourable conditions to get cloud-free images during key periods, thus enabling the identification of soy in the Amazon. For monitoring the next crop, we are expecting to benefit from the successful launch of Landsat-9 on 27 September 2021, replacing Landsat-7 that has been operating in a limited way (Figure 6; Table 2).

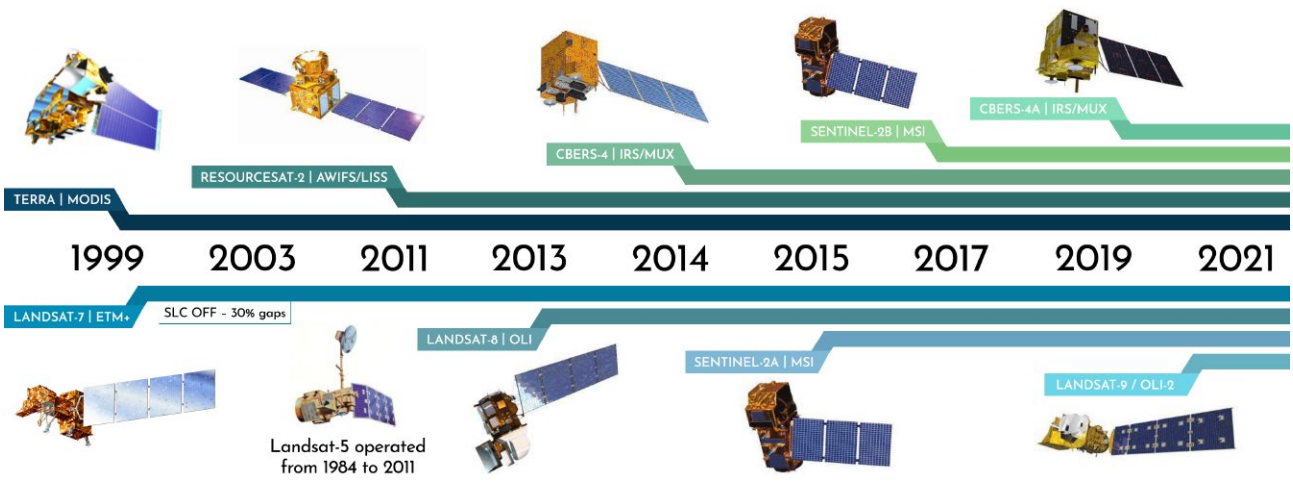



**Figure 6.** Remote sensing satellites used to acquire the images that identify soy crops which are non-compliant with the Soy Moratorium

| SATELLITE \| SENSOR | RESOLUTION | | | |
|---|---|---|---|---|
| | TEMPORAL (days) | | | SPATIAL (metres) |
| Sentinel-2A \| MSI | 10 | 5 | 1 to 5 | 10 and 20 |
| Sentinel-2B \| MSI | 10 | | | 10 and 20 |
| Landsat-8 \| OLI-1 | 16 | 8 | | 15 and 30 |
| Landsat-7 \| ETM+ | 16 | | | 30 |
| Landsat-9 \| OLI-2 | 16 | | | 15 and 30 |
| CBERS-4 and 4A \| MUX and IRS | 26 | | | 20 and 40 |
| ResourceSat-2 \| LISS3 and AWIFS | 24 and 5 | | | 23.5 and 56 |
| TERRA \| MODIS | ~1 | | | 250 |

**Table 2.** Characteristics of images used in the Soy Moratorium monitoring

The images acquired from the Sentinel and Landsat satellites were given priority as they are on the same georeferenced database but, whenever necessary, they were complemented by images from the CBERS-4, 4A and Resourcesat-2 satellites. The MODIS sensor images, in the form of temporal series, were accessed through EMBRAPA's SATVeg [18] tool to aid in the visual analysis of soy identification.

With the significant increase in the availability of images with medium spatial resolution, MODIS images have become less relevant to the monitoring process. Therefore, the Crop Enhancement Index (CEI [19]), calculated from MODIS images, has become only a supporting element in identifying soy crops.

Thus, each deforested polygon is inspected individually through visual analysis of a set of up to 20 images acquired by the Sentinel and Landsat satellites. The images' acquisition dates took into account the soy calendar of the various soy-producing regions in the Amazon Biome.

Figure 7 illustrates, in schematic format, the procedure for monitoring by satellite images soy crops that are: (a) non-compliant because they were grown in an area deforested during the Soy Moratorium (cases 1 and 2); or (b) compliant because they were grown in an area deforested before the Moratorium's reference date (cases 3, 4 and 5).

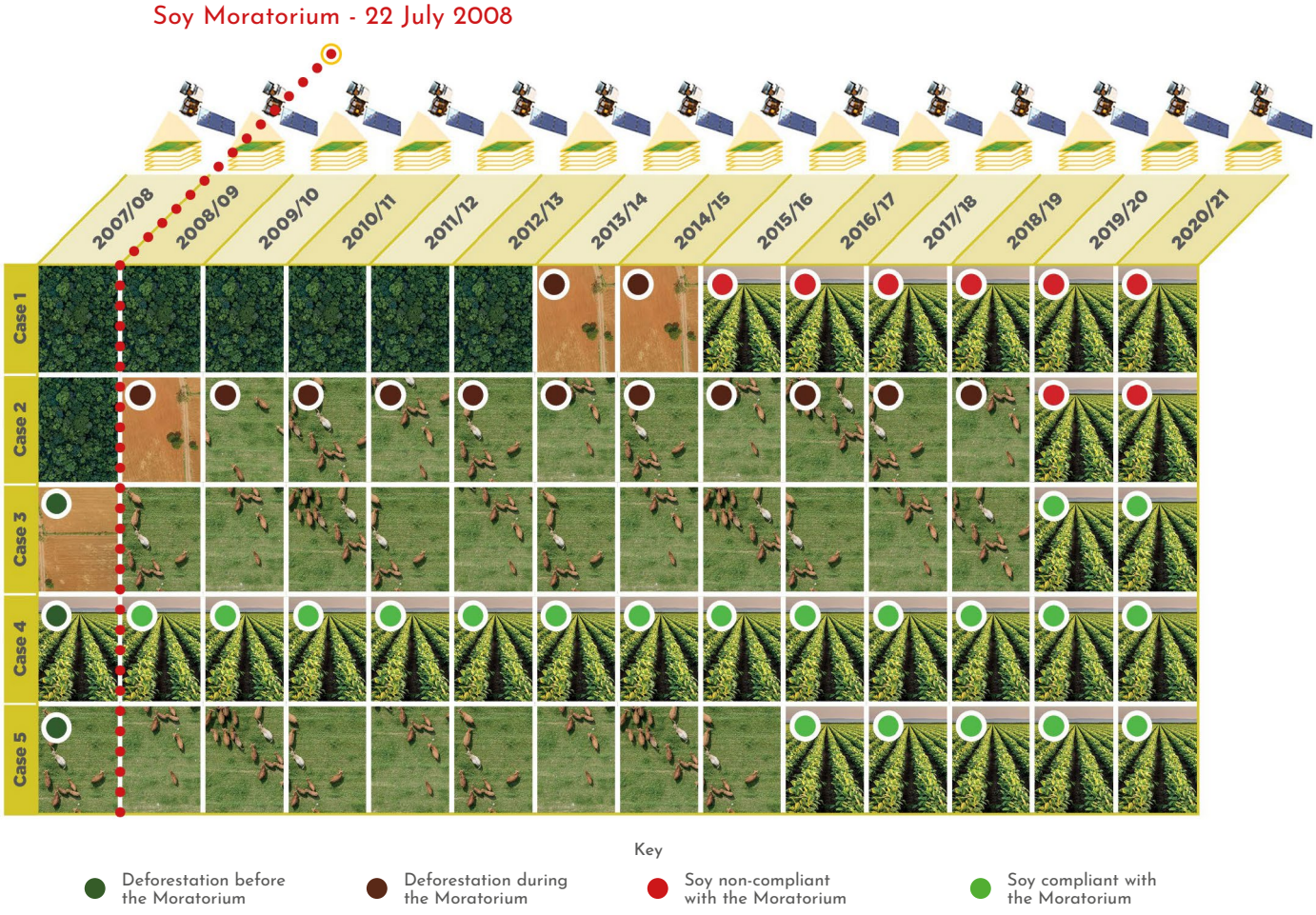



**Figure 7.** Procedure for monitoring soy crops in areas deforested during the Soy Moratorium

As a first indication of soy presence in deforested land, the soy map of crop year 2020/21 (Figure 1), carried out at a smaller scale (1:75,000 to 1:50,000), was overlayed to the deforested polygons mapped by PRODES/INPE (2009-2020) of the 109 municipalities with over 5,000 hectares of soy. It should be noted that the soy map of the whole Biome is prepared on a smaller scale (1:75,000 to 1:50,000) and does not take into account the specificities of the deforested polygon or the rural property's boundaries. Consequently, each deforested polygon undergoes a thorough analysis, using a larger scale

(about 1:25,000) to ensure the correct identification of a soy crop and its boundaries within the polygon, as well as any potential shift in the PRODES/INPE polygon registrations[1], in order to avoid "false positives"[2]. The remaining PRODES/INPE polygons, where no soy was identified, arelso submitted to a detailed analysis to avoid "false negatives"[3].

Deforested polygons identified with soy crops that are non-compliant with the Soy Moratorium in the 2020/21 crop year went through a review process to verify whether, in fact, they were deforested during the Moratorium. A review of the deforestation date indicated by PRODES/INPE is necessary because the dates of the images used by PRODES/INPE were not chosen to meet the Moratorium's criteria, but rather to identify annual deforestation. The review of the dates was based on Landsat images obtained between the year 2000 and the date closest to the Moratorium's reference date (22 July 2008), backed by MODIS sensor images from the same period. During this revision of dates, 662 hectares of soy were removed as they were on land deforested before the Moratorium's reference date. It should be noted that the polygons removed last year as a result of the date review were excluded at the start of this year to avoid an unnecessary reanalysis. Deforestation identified with soy crops in polygons partially located within conservation units, indigenous lands and settlements was also submitted to a review, and 14 hectares of soy crops wholly contained within these public areas were eliminated as they are not part of the Soy Moratorium's criteria and would have been wrongly assigned as non-compliant soy.

At the end of the process to identify soy that is non-compliant with the Soy Moratorium, INPE makes an independent audit of the results, certifying the quality of the work done by Agrosatélite.

**1** The PRODES/INPE polygon registration database does not always adjust for elements of the landscape that are visible in the images, requiring a technical analysis of each polygon based on the historical series of satellite images from the date of the deforestation up to the most current.

**2** "False positives" are those areas mapped as soy crops in the mapping's landscape phase, but which need to be adjusted or have parts removed after a more detailed analysis is made during the individual inspection of each polygon.

**3** "False negatives" correspond to possible errors of omission, i.e., small areas of soy that were not identified in the mapping's landscape phase and that should be added during the individual inspection phase of each polygon. "False negatives" may also occur in the first year of some soy expansion areas that do not yet show up in typical format on the images and need to undergo a more detailed analysis or even a redefinition of the soy area boundaries.

# 4. Results

## 4.1 Deforestation mapped by PRODES/INPE from 2009 to 2020

In the 109 municipalities monitored by the Soy Moratorium, PRODES/INPE mapped from 2009 to 2020 a deforested area of 3,169,317 hectares, as shown in Table 3. In this Table, the deforestation category of less than 25 hectares has 1,170,713 hectares before the aggregation of adjacent polygons, representing 36.9% of the total deforested area. After aggregation (methodology described in Item 3.3), this area was reduced to 428,106 hectares, showing that the aggregation process resulted in the monitoring of a significant portion (742,607 hectares) of polygons with less than 25 hectares. With aggregation, the category of less than 25 hectares represents just 13.5% of the total deforested area.

| Categories | PRODES - Non-Aggregated | | PRODES - Aggregate | |
|---|---|---|---|---|
| | n | ha | n | ha |
| **< 25 ha** | 122,385 | 1,170,713 | 39,725 | 428,106 |
| **≥ 25 ha** | 23,954 | 1,998,605 | 16,878 | 2,741,210 |
| **Total** | **146,339** | **3,169,319** | **56,603** | **3,169,317** |

NB. The aggregation process caused a residual decrease of 2 hectares, considered negligible for this type of analysis

**Table 3.** Number (n) and area (ha) of non-aggregated and aggregated polygons mapped between 2009 and 2020 in the 109 monitored municipalities

Considering the aggregated PRODES/INPE polygons with an area of 25 or more hectares (Table 3), Table 4 shows that the 61 Mato Grosso soy-producing municipalities in the Amazon Biome deforested 801,310 hectares, equivalent to 29.2% of the area deforested in the 109 municipalities monitored by the Soy Moratorium. However, the twenty Pará municipalities deforested a larger area – 1,231,112 hectares, or 44.9% of the total deforestation. In the fifteen municipalities in Rondônia state, the deforested area was 634,489 hectares, or 23.1% of the total. In the three Roraima municipalities and the two Amapá municipalities, the area deforested was 16,451 hectares, equivalent to 0.6% of the total deforestation. The six Maranhão municipalities and the two Tocantins municipalities respectively deforested 55,129 hectares (2.0% of the total) and 2,713 hectares (0.1% of the total) (Table 4).

| Category | MT | PA | RO | RR | AP | MA | TO | Total |
|---|---|---|---|---|---|---|---|---|
| | ha | ha | ha | ha | ha | ha | ha | ha |
| **25 to 50** | 73,583 | 123,080 | 54,884 | 3,911 | 1,628 | 10,723 | 622 | 268,430 |
| **50 to 100** | 87,300 | 138,572 | 64,520 | 3,382 | 651 | 11,264 | 500 | 306,188 |
| **Over 100** | 640,427 | 969,460 | 515,086 | 6,658 | 222 | 33,142 | 1,591 | 2,166,585 |
| **Total** | **801,310** | **1,231,112** | **634,489** | **13,950** | **2,501** | **55,129** | **2,713** | **2,741,204** |

**Table 4.** Deforested area (hectares) during the Soy Moratorium in the 109 municipalities in the states of MT, PA, RO, RR, AP, MA and TO, by polygon category

According to the criteria established by the GTS, soy crop monitoring is limited to deforestation outside public areas (conservation units, indigenous lands and settlements). In other words, monitoring is limited to deforestation occurring on private rural properties (Item 3.1) and to deforestation partially within these specific public areas, a total of 1,981,985 hectares (Table 5), corresponding to 72.3% of the total deforested area in polygons of 25 or more hectares in the 109 monitored municipalities. The remaining 759,219 hectares, or 27.7% of the total deforestation in these municipalities, are located wholly within conservation units, indigenous lands and/or settlements.

| Deforestation in Polygons ≥25 ha | MT | PA | RO | RR | AP | MA | TO | Total |
|---|---|---|---|---|---|---|---|---|
| | ha | ha | ha | ha | ha | ha | ha | ha |
| a) Outside UC, TI, AS | 623,471 | 514,280 | 339,610 | 4,237 | 1,315 | 22,544 | 2,363 | 1,507,820 |
| b) Partially within UC, TI, AS | 71,295 | 222,358 | 163,593 | 2,882 | 165 | 13,749 | 124 | 474,165 |
| **Total** | **694,765** | **736,638** | **503,202** | **7,119** | **1,480** | **36,293** | **2,487** | **1,981,985** |

**Table 5.** Distribution of the deforested area (hectares) during the Soy Moratorium on private properties: (a) outside conservation units (UC), indigenous lands (TI) and settlements (AS); and (b) partially located within these specific areas, by state.

## 4.2 Soy in deforested areas during the Soy Moratorium

The 1,981,985 hectares (Table 5) that meet the criteria established by the GTS (Item 3.1), distributed in 10,947 polygons with 25 or more hectares, were inspected individually using visual interpretation techniques that identify and map the soy crops growing in these polygons (Item 3.4).

In the 2020/21 crop year, 147,112 hectares of soy were identified that were not in compliance with the criteria of the Soy Moratorium. Of this total, Mato Grosso state

had 115,917 hectares (Table 6), corresponding to 78.8% of the non-compliant soy and to 8.4% of the total deforestation, during the Moratorium, in that portion of this state that lies within the Amazon Biome (1,386,174 hectares, Table 1). The state of Pará had 19,034 hectares of non-compliant soy (Table 6), representing 12.9% of the soy detected in the monitoring process but just 0.6% of the state's deforestation during the Moratorium (3,430,129 hectares, Table 1). Rondônia state had 5,728 hectares of non-compliant soy (Table 6), corresponding to 3.9% of the soy detected by the monitoring and to 0.5% of the state's total deforestation during the Moratorium (1,138,595 hectares, Table 1). In Maranhão state, 6,395 hectares of non-compliant soy (Table 6) were identified, representing 4.3% of the soy detected during the monitoring and 2.9% of the state's total deforestation during the Moratorium (216,890 hectares, Table 1). No non-compliant soy was identified in the states of Tocantins and Amapá, and Roraima state had just 37 hectares of non-compliant soy. However, in Roraima and Amapá, soy expansion was mainly onto native vegetation of non-forest formation and was therefore not mapped by PRODES/INPE nor monitored in the context of the Moratorium.

It should be noted that the soy area in deforested polygons with more than 100 hectares was 128,473 hectares, equivalent to 87% of the total soy that did not comply with the Moratorium (Table 6). This indicates that most of the non-compliant soy areas are found on private properties that carried out larger deforestations over the years, as just 8,140 hectares (5.5%) of non-compliant soy was found in the deforestation category of 25-50 hectares. Thus, the deforestation in polygons with less than 25 hectares (Table 3) – and therefore not monitored – are likely to have a small contribution to the soy that is not compliant with the Soy Moratorium.

The complete list, by state, of the 1,164 deforested polygons with soy crops not compliant with the Soy Moratorium in the 2020/21 crop year is presented in Item 8 – Appendix (Tables 8.1 to 8.5).

| Category | MT | PA | RO | RR | AP | MA | TO | Total |
|---|---|---|---|---|---|---|---|---|
| | ha | ha | ha | ha | ha | ha | ha | ha |
| **25 to 50 ha** | 4,222 | 1,987 | 1,014 | 5 | 0 | 912 | 0 | 8,140 |
| **50 to 100 ha** | 5,412 | 2,631 | 1,216 | 32 | 0 | 1,208 | 0 | 10,499 |
| **≥100 ha** | **106,283 (92%)** | **14,417 (76%)** | **3,498 (61%)** | **0 (0%)** | **0 (0%)** | **4,275 (67%)** | **0 (0%)** | **128,473 (87%)** |
| **Total** | **115,917** | **19,034** | **5,728** | **37** | **0** | **6,395** | **0** | **147,112** |

**Table 6.** Soy area (hectares) not compliant with the Soy Moratorium, by category of deforested polygon, in the states of MT, PA, RO, RR, AP, TO and MA.

Figure 8 shows the 109 monitored municipalities classified by the size of their soy area that is not compliant with the Soy Moratorium. Of the total, 85 municipalities have non-compliant soy crops (Table 7), while the remaining 24 municipalities are fully compliant. Among the non-compliant municipalities, eight are in the category of over 5,000 hectares of non-compliant soy (the red municipalities in Figure 8), with a total of 82,447 hectares (56.0%) in seven municipalities in Mato Grosso state: Feliz Natal (26,546 hectares), União do Sul (11,261 hectares), Nova Maringá (10,367 hectares), Santa Carmem (10,067 hectares), Cláudia (7,469 hectares), Porto dos Gaúchos (5,949 hectares), Nova Ubiratã (5,186 hectares); and one municipality in Pará state: Dom Eliseu (5,601 hectares) (Table 7). There are 17 non-compliant municipalities with a non-compliant soy area between 1,001 hectares and 5,000 hectares, a total of 44,650 hectares representing 30.3% of the total non-compliant soy area (Figure 8, Table 7).

The remaining 60 municipalities have a non-compliant soy area of less than 1,000 hectares, representing 13.6% (20,015 hectares) of the total non-compliant soy (Figure 8, Table 7), which is significantly less than the non-compliant soy found in the municipality of Feliz Natal/MT (see above). Furthermore, among the soy-producing municipalities in Mato Grosso state, Feliz Natal has the largest area deforested during the Soy Moratorium, with 49,642 hectares. In contrast, in the state of Pará, the municipalities of Altamira, São Félix do Xingu and Novo Progresso have just 1,264 hectares of non-compliant soy, representing 0.9% of the total non-compliant soy; however, together, these three municipalities are responsible for 936,768 hectares of the deforestation during the Moratorium, corresponding to 29.5% of the deforestation in the 109 municipalities during the period from 2009 to 2019 (Table 3).

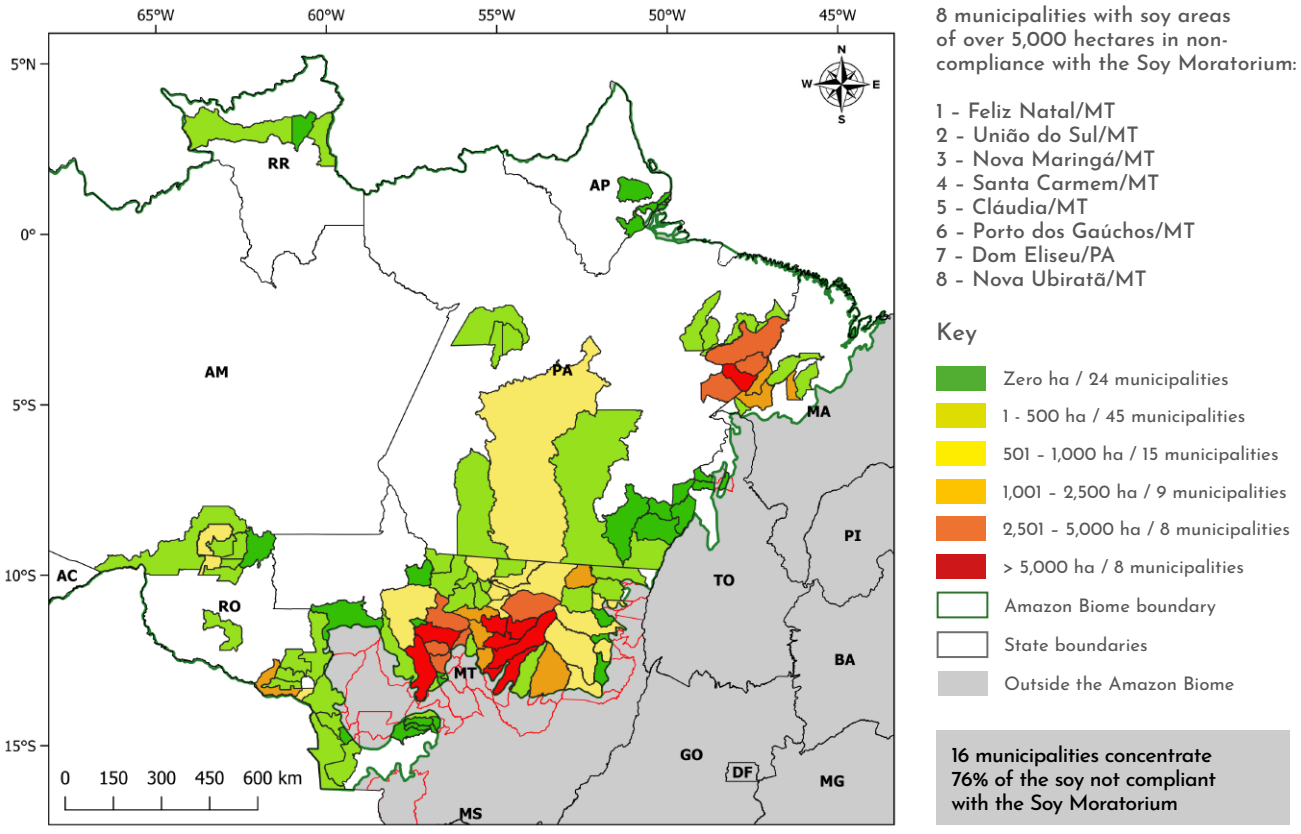



**Figure 8.** Spatial distribution of the 109 municipalities analysed, classified according to the area of soy in non-compliance with the Soy Moratorium in the 2020/21 crop year.

From 2009 to 2020, 3,169,317 hectares were deforested (Table 3) in the 109 monitored municipalities, of which 147,112 hectares were converted into soy, making soy directly responsible for 4.6% of the deforestation in these municipalities, in the area monitored by the Soy Moratorium. In contrast, 95.4% of the deforestation in these municipalities was not associated with soy crops.

| Municipality | State | Polygons with soy (n) | Non-compliant soy in 2020/21 (ha) | Deforested area from 2009-2020 (ha) | Soy in deforested area (%) |
|---|---|---|---|---|---|
| Feliz Natal | MT | 93 | 26,546.5 | 49,642.9 | 53.5 |
| União do Sul | MT | 54 | 11,261.2 | 39,491.6 | 28.5 |
| Nova Maringá | MT | 53 | 10,366.8 | 29,386.0 | 35.3 |
| Santa Carmem | MT | 43 | 10,066.9 | 16,412.2 | 61.3 |
| Cláudia | MT | 64 | 7,469.4 | 31,503.6 | 23.7 |
| Porto dos Gaúchos | MT | 47 | 5,949.2 | 23,808.7 | 25.0 |
| Nova Ubiratã | MT | 41 | 5,186.2 | 28,448.3 | 18.2 |
| Marcelândia | MT | 72 | 4,635.2 | 46,384.9 | 10.0 |
| Tabaporã | MT | 25 | 4,608.3 | 15,666.7 | 29.4 |
| Ipiranga do Norte | MT | 11 | 3,809.0 | 6,351.8 | 60.0 |
| Itanhangá | MT | 32 | 3,744.3 | 22,457.5 | 16.7 |
| Tapurah | MT | 33 | 2,735.0 | 7,369.3 | 37.1 |
| Itaúba | MT | 21 | 1,804.2 | 19,012.0 | 9.5 |
| Sinop | MT | 17 | 1,696.8 | 19,280.4 | 8.8 |
| Santa Cruz do Xingu | MT | 9 | 1,652.7 | 9,165.1 | 18.0 |
| Vera | MT | 16 | 1,468.7 | 3,921.0 | 37.5 |
| Gaúcha do Norte | MT | 26 | 1,111.6 | 26,219.8 | 4.2 |
| Porto Alegre do Norte | MT | 9 | 951.7 | 2,695.0 | 35.3 |
| Juara | MT | 4 | 861.8 | 37,970.0 | 2.3 |
| Terra Nova do Norte | MT | 11 | 849.1 | 4,501.9 | 18.9 |
| Canarana | MT | 4 | 830.2 | 3,989.8 | 20.8 |
| Peixoto de Azevedo | MT | 7 | 807.1 | 41,548.2 | 1.9 |
| Bom Jesus do Araguaia | MT | 5 | 763.0 | 41,548.2 | 1.8 |
| Novo Mundo | MT | 24 | 748.9 | 15,455.5 | 4.8 |
| São Félix do Araguaia | MT | 13 | 699.4 | 15,222.0 | 4.6 |
| Matupá | MT | 19 | 689.3 | 13,876.6 | 5.0 |
| Nova Santa Helena | MT | 20 | 635.1 | 3,811.4 | 16.7 |
| Querência | MT | 12 | 618.3 | 26,402.4 | 2.3 |
| Confresa | MT | 6 | 422.3 | 21,309.3 | 2.0 |
| São José do Xingu | MT | 7 | 420.7 | 6,140.4 | 6.9 |
| São José do Rio Claro | MT | 7 | 415.5 | 3,897.3 | 10.7 |
| Comodoro | MT | 16 | 392.2 | 18,579.9 | 2.1 |
| Lucas do Rio Verde | MT | 3 | 262.3 | 1,754.4 | 15.0 |
| Nova Canaã do Norte | MT | 4 | 191.9 | 9,392.8 | 2.0 |
| Vila Rica | MT | 4 | 182.6 | 5,636.2 | 3.2 |

**Table 7.** List of the 85 municipalities with soy not in compliance with the Soy Moratorium in 2020/21

| Municipality | State | Polygons with soy (n) | Non-compliant soy in 2020/21 (ha) | Deforested area from 2009-2020 (ha) | Soy in deforested area (%) |
|---|---|---|---|---|---|
| Sorriso | MT | 1 | 174.7 | 174.7 | 100.0 |
| Alta Floresta | MT | 5 | 150.9 | 8,283.0 | 1.8 |
| Paranatinga | MT | 7 | 95.0 | 19,024.9 | 0.5 |
| Paranaíta | MT | 1 | 93.5 | 27,195.9 | 0.3 |
| Brasnorte | MT | 3 | 87.4 | 19,284.1 | 0.5 |
| Carlinda | MT | 2 | 83.7 | 1,603.7 | 5.2 |
| Diamantino | MT | 1 | 80.0 | 140.2 | 57.0 |
| Guarantã do Norte | MT | 2 | 66.2 | 6,363.1 | 1.0 |
| Nova Guarita | MT | 3 | 57.6 | 1,484.3 | 3.9 |
| Colíder | MT | 5 | 52.1 | 3,819.6 | 1.4 |
| Pontes e Lacerda | MT | 1 | 47.5 | 3,298.6 | 1.4 |
| Vila Bela da Santíssima Trindade | MT | 2 | 39.2 | 14,428.0 | 0.3 |
| Nova Lacerda | MT | 5 | 36.4 | 11,993.0 | 0.3 |
| **Total for Mato Grosso** | | **870** | **115,917.4** | **785,346.1** | **14.8** |
| Dom Eliseu | PA | 118 | 5,601.3 | 16,682.0 | 33.6 |
| Paragominas | PA | 67 | 4,139.5 | 33,186.7 | 12.5 |
| Rondon do Pará | PA | 40 | 3,200.9 | 28,561.2 | 11.2 |
| Ulianópolis | PA | 36 | 2,855.8 | 23,550.5 | 12.1 |
| Altamira | PA | 26 | 796.5 | 404,129.7 | 0.2 |
| Mojuí dos Campos | PA | 34 | 485.4 | 16,723.5 | 2.9 |
| Novo Progresso | PA | 20 | 462.6 | 177,664.8 | 0.3 |
| Santana do Araguaia | PA | 10 | 441.5 | 24,849.6 | 1.8 |
| Belterra | PA | 10 | 360.0 | 2,547.0 | 14.1 |
| Nova Esperança do Piriá | PA | 6 | 150.2 | 8,547.9 | 1.8 |
| Ipixuna do Pará | PA | 4 | 138.1 | 15,712.6 | 0.9 |
| Tailândia | PA | 5 | 133.6 | 18,448.5 | 0.7 |
| Moju | PA | 8 | 133.2 | 36,950.1 | 0.4 |
| Santarém | PA | 7 | 130.5 | 8,112.8 | 1.6 |
| São Félix do Xingu | PA | 1 | 5.1 | 354,974.2 | 0.0 |
| **Total for Pará** | | **392** | **19,034.0** | **1,170,641.0** | **1.6** |
| Pimenteiras do Oeste | RO | 10 | 1,597.3 | 4,939.9 | 32.3 |
| Cabixi | RO | 15 | 597.3 | 2,709.2 | 22.0 |
| Candeias do Jamari | RO | 16 | 596.0 | 66,028.1 | 0.9 |
| Alto Paraíso | RO | 25 | 521.2 | 32,218.7 | 1.6 |
| Cerejeiras | RO | 14 | 461.9 | 1,044.4 | 44.2 |
| Porto Velho | RO | 6 | 431.7 | 323,123.1 | 0.1 |
| São Miguel do Guaporé | RO | 13 | 421.4 | 9,143.4 | 4.6 |
| Rio Crespo | RO | 16 | 366.3 | 9,872.0 | 3.7 |
| Vilhena | RO | 10 | 265.3 | 11,385.1 | 2.3 |
| Corumbiara | RO | 3 | 131.8 | 2,111.3 | 6.2 |

**Table 7.** List of the 85 municipalities with soy not in compliance with the Soy Moratorium in 2020/21

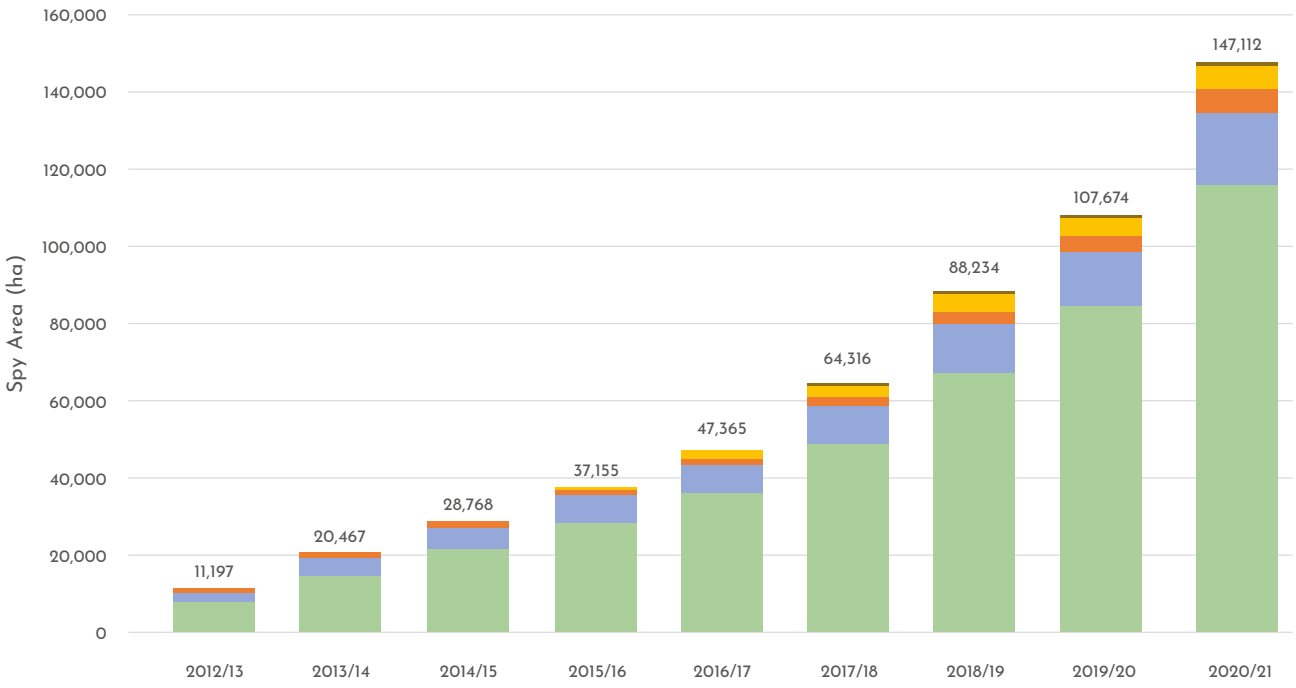
| Municipality | State | Polygons with soy (n) | Non-compliant soy in 2020/21 (ha) | Deforested area from 2009-2020 (ha) | Soy in deforested area (%) |
|---|---|---|---|---|---|
| Itapuã do Oeste | RO | 6 | 126.4 | 11,735.0 | 1.1 |
| Ariquemes | RO | 5 | 93.4 | 12,686.4 | 0.7 |
| Cujubim | RO | 7 | 81.9 | 90,207.3 | 0.1 |
| Chupinguaia | RO | 1 | 36.0 | 6,846.0 | 0.5 |
| **Total for Rondônia** | | **147** | **5,728.0** | **584,049.8** | **1.0** |
| Açailândia | MA | 51 | 2,241.5 | 10,324.2 | 21.7 |
| Itinga do Maranhão | MA | 23 | 1,980.0 | 13,440.9 | 14.7 |
| Buriticupu | MA | 29 | 1,370.0 | 9,740.5 | 14.1 |
| Bom Jardim | MA | 7 | 341.6 | 17,812.3 | 1.9 |
| Cidelândia | MA | 4 | 323.8 | 1,399.8 | 23.1 |
| Santa Luzia | MA | 5 | 138.6 | 2,411.3 | 5.7 |
| **Total for Maranhão** | | **119** | **6,395.4** | **55,128.9** | **11.6** |
| Bonfim | RR | 1 | 32.4 | 3,617.0 | 0.9 |
| Alto Alegre | RR | 3 | 5.1 | 10,220.0 | 0.1 |
| **Total for Roraima** | | **4** | **37.5** | **13,837.0** | **0.3** |
| **Total** | | **1,532** | **147,112.3** | **2,609,002.9** | **5.6** |

**NB.** In the 24 municipalities listed below, all soy crops in the 2020/21 crop year fully complied with the Soy Moratorium. Mato Grosso state: Alto Boa Vista, Arenápolis, Canabrava do Norte, Conquista D'Oeste, Juína, Nortelândia, Nova Marilândia, Nova Monte Verde, Nova Mutum, Novo Horizonte do Norte, Ribeirão Cascalheira, Santo Afonso and Tangará da Serra. Pará state: Conceição do Araguaia, Cumaru do Norte, Floresta do Araguaia, Redenção and Santa Maria das Barreiras. Rondônia state: Machadinho D'Oeste. Roraima state: Boa Vista. Amapá state: Macapá and Tartarugalzinho. Tocantins state: Araguaína and Santa Fé do Araguaia.

**Table 7.** List of the 85 municipalities with soy not in compliance with the Soy Moratorium in 2020/21

## 4.3 Non-compliant soy expansion in the last eight crop years

Based on the reference date of the Soy Moratorium, which monitors soy crops in areas deforested after 22 July 2008, the non-compliant soy area increased over the last nine crop years from 11,200 hectares in 2012/13 to 147,112 hectares in 2020/21 (Figure 9). The non-compliant soy area has been gradually increasing and currently represents 2.5% of the total soy grown in the Amazon Biome.




| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| RR | n.a. | n.a. | n.a. | 0 | 0 | 23 | 9 | 8 | 38 |
| TO | n.a. | n.a. | n.a. | 0 | 0 | 0 | 0 | 0 | 0 |
| AP | n.a. | n.a. | n.a. | 38 | 0 | 58 | 59 | 56 | 0 |
| MA | n.a. | n.a. | n.a. | 0 | 2,212 | 3,160 | 4,505 | 4,672 | 6,395 |
| RO | 899 | 1,097 | 1,159 | 1,358 | 1,602 | 1,928 | 2,911 | 4,172 | 5,728 |
| PA | 2,065 | 4,676 | 5,722 | 7,479 | 7,418 | 10,133 | 12,811 | 14,144 | 19,034 |
| MT | 8,233 | 14,694 | 21,887 | 28,280 | 36,134 | 49,013 | 67,940 | 84,623 | 115,917 |

**n.a. =** not assessed

**Figure 9.** Evolution of the soy area not in compliance with the Soy Moratorium, in the states of MT, PA, RO, MA, AP, TO and RR, in the crop years from 2012/13 to 2020/21

ABIOVE's and ANEC's member companies, signatories of the Soy Moratorium, make up approximately 87% of the soy market in the Amazon Biome. The gradual increase in the non-compliant soy area is a result of soy trading by companies not affiliated with these two Associations and who therefore did not sign the Soy Moratorium. It should be emphasised that, under the Moratorium, soy producers who have a parcel of their land planted with non-compliant soy suffers an embargo by the signatories of all the soy produced on their non-compliant rural property. This embargo is estimated at about 10% of the Biome's soy production, corresponding to approximately two million tonnes, and this volume is possibly traded by companies, cereal farmers and cooperatives that do not have a zero-deforesta-

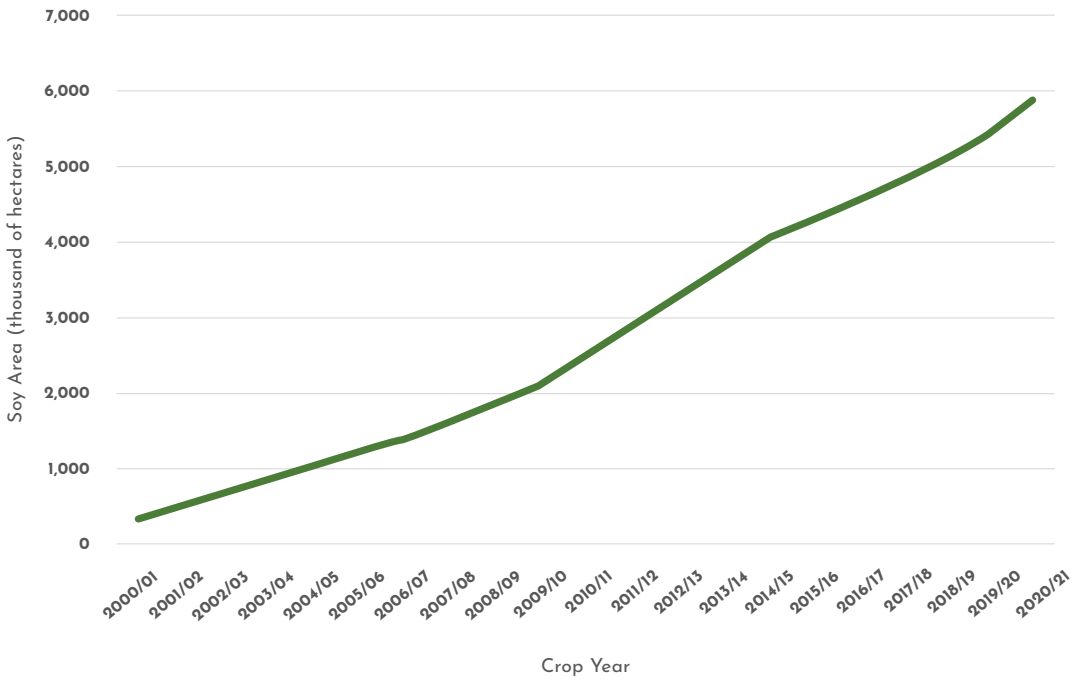
tion policy for the Amazon Biome. In 2021, some members of this group of intermediaries joined the GTS; and this engagement process continues to be a priority.

## 4.4 Relevance of soy grown in areas of the Amazon Biome deforested after 2008

The Brazilian 2020/21 soy crop was 135.9 million tonnes, grown on 38.5 million hectares [20]. Compared to the previous crop, there was an increase of 4.3% in planted area and of 8.9% in production due to gains in crop yield.

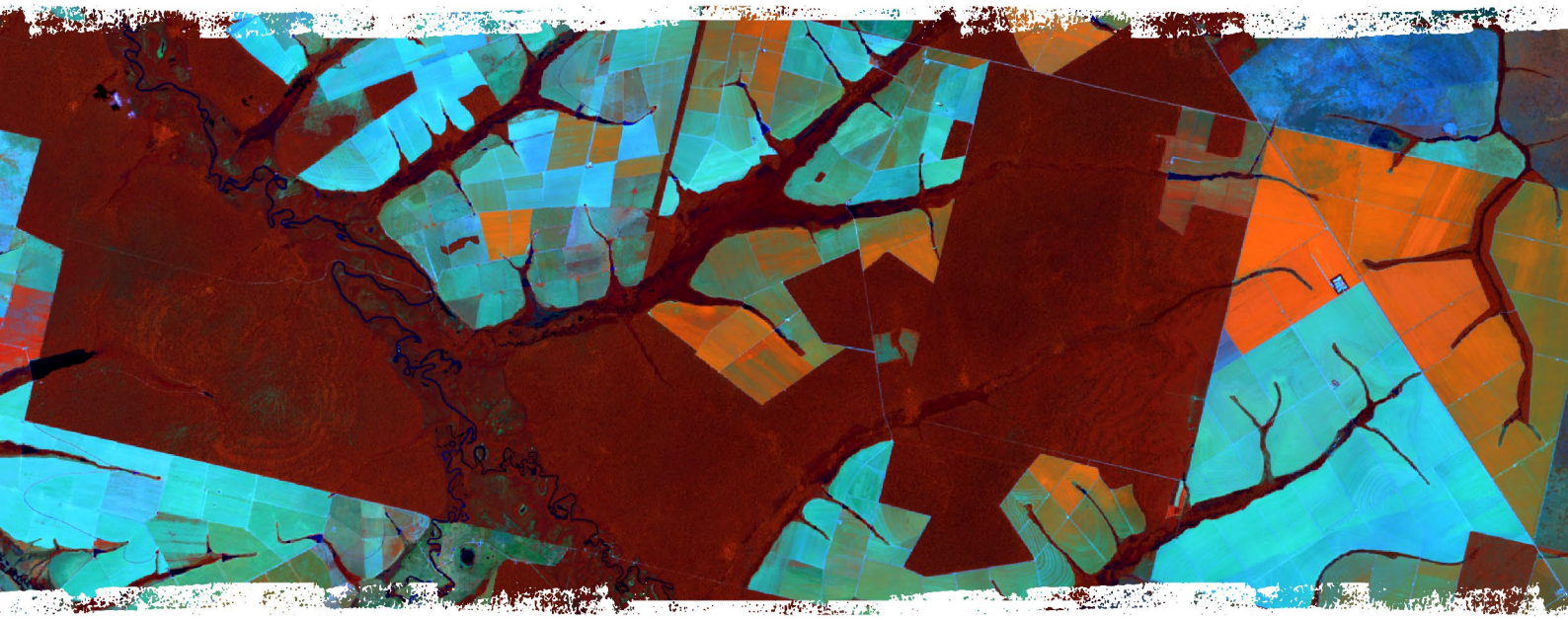
In the Amazon Biome, 5.85 million hectares were planted in the 2020/21 crop year, representing 15.2% of Brazil's soy area. The states of Mato Grosso (76.9%), Pará (11.5%), Rondônia (6.8%) and Maranhão (2.9%) account for 98.1% of the Biome's soy area. The 147,112 hectares of soy on areas deforested during the Soy Moratorium represent just 2.5% of the Biome's current soy area.

In the 13 years since the Soy Moratorium reference date (22 July 2008), the soy area in the Amazon Biome has more than tripled, going from 1.64 million hectares in the 2007/08 crop year (prior to the Moratorium) to the current 5,85 million hectares, a significant expansion totalling 4.21 million hectares, of which 0.147 million hectares (3.5%) were conveted from forest during the Moratorium. The soy expansion was essentially onto pastures in areas deforested prior to the Soy Moratorium [21], confirming the effectiveness of this initiative in reducing soy expansion onto newly deforested lands without impeding the advance of soy's economic activity in the Amazon Biome, as illustrated in Figure 10.




**Source:** Adapted from Agrosatélite [8]

**Figure 10.** Evolution of the soy area in the Amazon Biome over two decades.



However, the soy grown on land that was deforested in the last four years represents 60% of the non-compliant soy expansion compared to the prior crop year (Figure 11), indicating that this deforestation was carried out with the intention of being converted to soy. Compared to the 2019/20 crop, there was an expansion of approximately 444,000 hectares in the 2020/21 crop (Figure 10), of which 39,438 hectares (9%) was on land deforested after 2008 (the green bars in Figure 11). This shows that 91% of the 2020/21 soy expansion was onto land deforested prior to the Moratorium, which was possible only because the ample stock of land cleared before the Soy Moratorium was being underused as pastures and was available for conversion to soy [7].

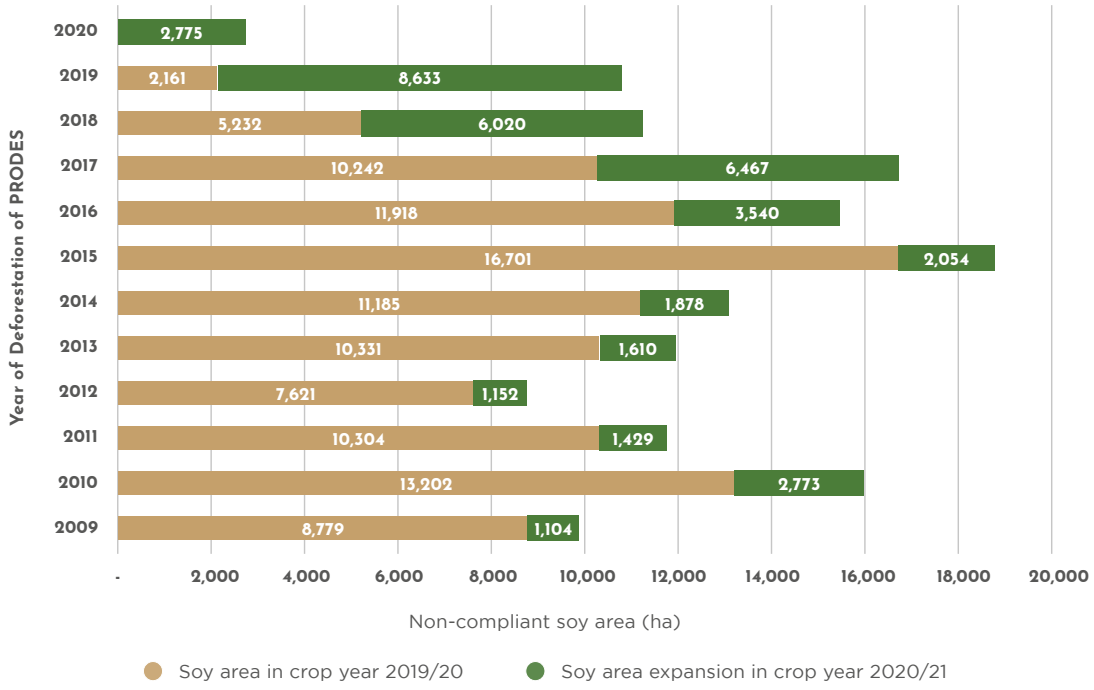
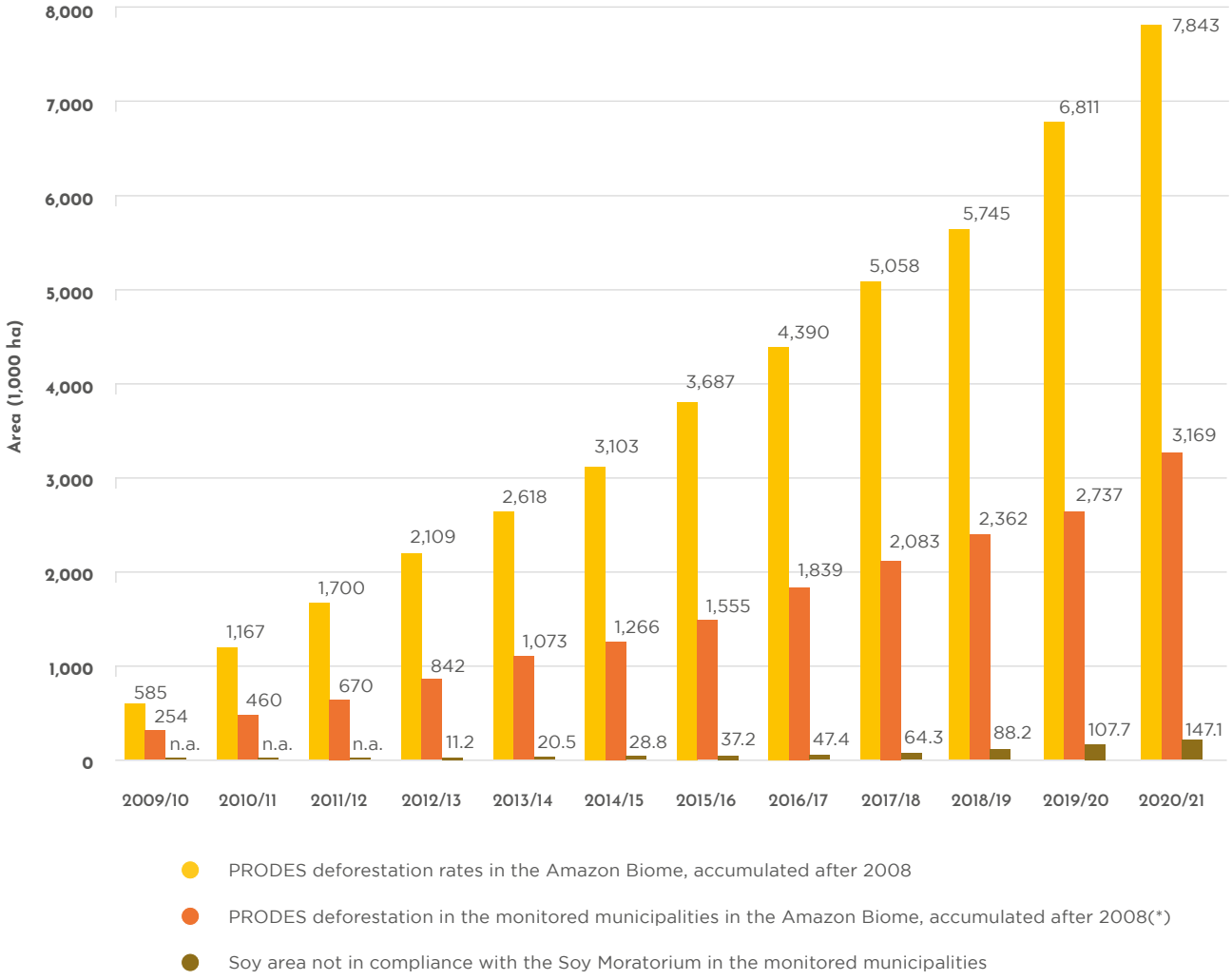



**Figure 11.** Non-compliant soy area, by year of deforestation, in crop year 2019/20 (brown) and the expansion observed in crop year 2020/21 (green).

Figure 12 shows both the deforested area in the Amazon Biome and in the 109 monitored municipalities (Table 3), as well as the soy area on deforested land during the Soy Moratorium (Table 6). The monitored municipalities were responsible for 37.4% of the deforestation in the Amazon Biome, and 4.1% of this area was used for soy crops in the 2020/21 crop year.




(*) Area calculated based on maps made available by INPE [2]

**Figure 12.** Evolution of accumulated deforestation (Amazon Biome and 109 municipalities) and of soy not in compliance with the Soy Moratorium in the monitored municipalities.

# 5. Conclusion

The Soy Moratorium has been in effect since 2006 and plays a very relevant role in promoting the sustainability of soy production, with the objective of eliminating deforestation from its production chain in the Amazon Biome.

The detailed monitoring of the soy crops in deforestations occured during the Moratorium made it possible to identify 147,112 hectares of soy that were not in compliance with the Soy Moratorium. This corresponds to:

1) 2.5% of the total soy area in the Amazon Biome in the 2020/21 crop year (5.85 million hectares;
2) 1.88% of the post-2008 deforestation in the Amazon Biome (7.84 million hectares);
3) 4.64% of the post-2008 deforestation in the 109 monitored municipalities (3.17 million hectares);
4) 7.42% of the deforestation in polygons of 25 or more hectares, post-2008, in private properties in the 109 monitored municipalities (1.98 million hectares);
5) 33.4% of the soy expansion in the Amazon Biome in the 2020/21 crop year, compared with the 2019/20 crop year (~440,000 hectares);
6) an increase of 36.6% (39,438 hectares) in the 2020/21 crop year (147,112 hectares) over the 2019/20 crop year (107,674 hectares).

The rural properties identified as having non-compliant soy are subject to trade sanctions and were barred from trading their production through the companies that signed the Soy Moratorium.

The Soy Moratorium cannot prevent new deforestation, but it can and does block the soy produced on newly deforested lands. This discourages new conversion of forest areas into soy and encourages the intensification of land use by expanding soy into areas that were cleared before the Moratorium. Currently, 97.5% of the soy area in the Amazon Biome is grown on land cleared before 2008, confirming the effectiveness of this initiative in reconciling the development of food production with environmental sustainability, eliminating the soy grown on post-2008 deforested land from the production chains of the companies that signed the Soy Moratorium.

São Paulo, 06 May 2022.

André Nassar
*President*
**ABIOVE**

Bernardo Rudorff
*Director*
**Agrosatélite**

Marcos Adami
*Researcher*
**INPE**

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# 7. Technical Team in Charge

## 7.1 AGROSATÉLITE

- **General Coordinator:** Bernardo Rudorff
- **Technical Coordinator:** Joel Risso
- **Technical Team:** Daniel Alves de Aguiar, Gabriel Lemos, Lucas Kreutzfeld, Rafael Cardão and Moisés Pereira Galvão Salgado

## 7.2 ABIOVE

- **General Coordinator**: André Meloni Nassar
- **Technical Coordinator:** Bernardo Machado Pires
- **Environmental Specialist:** Pedro Moré Garcia

## 7.3 INPE

- **Auditor:** Marcos Adami

## 7.4 W5 Publicidade

- **Editorial Production and Electronic Publishing**

EXECUTION

agrosatélite
applied geotechnology

SOY WORKING GROUP – GTS

GRUPO DE TRABALHO DA SOJA
GTS

# 8. Appendix

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **3759** | 318.9 | MT | Alta Floresta | 107.5 |
| **3895** | 27.3 | MT | Alta Floresta | 5.2 |
| **3934** | 35.3 | MT | Alta Floresta | 3.8 |
| **5140** | 93.1 | MT | Alta Floresta | 5.7 |
| **6703** | 35.9 | MT | Alta Floresta | 28.7 |
| **1755** | 67.6 | MT | Bom Jesus do Araguaia | 5.2 |
| **1769** | 348.9 | MT | Bom Jesus do Araguaia | 39.1 |
| **1804** | 721.2 | MT | Bom Jesus do Araguaia | 714.9 |
| **1960** | 43.6 | MT | Bom Jesus do Araguaia | 3.8 |
| **1917** | 36.9 | MT | Brasnorte | 36.9 |
| **1935** | 49.2 | MT | Brasnorte | 13.2 |
| **1992** | 41.5 | MT | Brasnorte | 37.4 |
| **606** | 712.7 | MT | Canarana | 354.0 |
| **623** | 709.0 | MT | Canarana | 301.8 |
| **744** | 270.9 | MT | Canarana | 174.5 |
| **4470** | 37.5 | MT | Carlinda | 30.6 |
| **4662** | 56.1 | MT | Carlinda | 53.0 |
| **2302** | 497.3 | MT | Cláudia | 377.3 |
| **2329** | 619.9 | MT | Cláudia | 0.8 |
| **2332** | 571.4 | MT | Cláudia | 509.5 |
| **2351** | 683.7 | MT | Cláudia | 488.8 |
| **2416** | 92.5 | MT | Cláudia | 87.0 |
| **2424** | 38.8 | MT | Cláudia | 38.8 |
| **2443** | 218.5 | MT | Cláudia | 188.9 |
| **2446** | 37.4 | MT | Cláudia | 35.4 |
| **2454** | 235.6 | MT | Cláudia | 214.0 |
| **2466** | 64.3 | MT | Cláudia | 42.6 |
| **2468** | 1,211.6 | MT | Cláudia | 997.0 |
| **2473** | 108.4 | MT | Cláudia | 103.1 |
| **2508** | 334.5 | MT | Cláudia | 298.0 |
| **2526** | 51.2 | MT | Cláudia | 48.9 |
| **2538** | 46.2 | MT | Cláudia | 45.3 |
| **2559** | 650.3 | MT | Cláudia | 614.8 |
| **2563** | 42.9 | MT | Cláudia | 42.9 |
| **2585** | 40.5 | MT | Cláudia | 40.5 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **2601** | 178.4 | MT | Cláudia | 178.4 |
| **2644** | 287.1 | MT | Cláudia | 287.1 |
| **2650** | 54.6 | MT | Cláudia | 54.6 |
| **2653** | 28.0 | MT | Cláudia | 17.4 |
| **2655** | 182.3 | MT | Cláudia | 25.3 |
| **2722** | 95.5 | MT | Cláudia | 88.3 |
| **2724** | 186.6 | MT | Cláudia | 26.2 |
| **2725** | 245.6 | MT | Cláudia | 36.5 |
| **2731** | 39.3 | MT | Cláudia | 8.1 |
| **2741** | 44.9 | MT | Cláudia | 21.9 |
| **2751** | 151.8 | MT | Cláudia | 148.3 |
| **2754** | 199.8 | MT | Cláudia | 28.1 |
| **2764** | 457.8 | MT | Cláudia | 7.5 |
| **2765** | 145.2 | MT | Cláudia | 9.1 |
| **2780** | 289.7 | MT | Cláudia | 113.4 |
| **2783** | 38.5 | MT | Cláudia | 34.2 |
| **2784** | 109.7 | MT | Cláudia | 53.5 |
| **2787** | 76.7 | MT | Cláudia | 62.4 |
| **2798** | 214.8 | MT | Cláudia | 126.6 |
| **2805** | 47.6 | MT | Cláudia | 7.9 |
| **2821** | 2,706.8 | MT | Cláudia | 1,061.7 |
| **2827** | 95.0 | MT | Cláudia | 1.5 |
| **2836** | 252.7 | MT | Cláudia | 25.6 |
| **2849** | 252.1 | MT | Cláudia | 2.5 |
| **2855** | 6,037.5 | MT | Cláudia | 1.7 |
| **2860** | 737.4 | MT | Cláudia | 403.7 |
| **2867** | 29.5 | MT | Cláudia | 26.9 |
| **2874** | 806.5 | MT | Cláudia | 16.2 |
| **2900** | 1,932.0 | MT | Cláudia | 421.5 |
| **3287** | 153.6 | MT | Colíder | 9.1 |
| **3681** | 34.0 | MT | Colíder | 2.8 |
| **3684** | 34.2 | MT | Colíder | 34.2 |
| **3696** | 45.6 | MT | Colíder | 6.0 |
| **322** | 29.0 | MT | Comodoro | 11.0 |
| **332** | 27.8 | MT | Comodoro | 8.4 |
| **343** | 35.1 | MT | Comodoro | 5.5 |
| **640** | 113.9 | MT | Comodoro | 3.8 |
| **700** | 28.6 | MT | Comodoro | 0.9 |
| **723** | 487.4 | MT | Comodoro | 20.4 |
| **765** | 91.1 | MT | Comodoro | 91.1 |
| **786** | 645.5 | MT | Comodoro | 200.4 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **937** | 203.7 | MT | Comodoro | 50.7 |
| **3661** | 63.0 | MT | Confresa | 23.9 |
| **4316** | 27.1 | MT | Confresa | 3.7 |
| **4341** | 137.0 | MT | Confresa | 2.4 |
| **4517** | 182.7 | MT | Confresa | 176.7 |
| **4543** | 242.7 | MT | Confresa | 215.6 |
| **288** | 84.5 | MT | Diamantino | 80.0 |
| **960** | 108.4 | MT | Feliz Natal | 103.9 |
| **967** | 174.0 | MT | Feliz Natal | 170.6 |
| **991** | 1,999.1 | MT | Feliz Natal | 1.1 |
| **1001** | 933.5 | MT | Feliz Natal | 749.7 |
| **1002** | 177.4 | MT | Feliz Natal | 26.0 |
| **1005** | 29.3 | MT | Feliz Natal | 25.9 |
| **1063** | 656.2 | MT | Feliz Natal | 174.9 |
| **1070** | 70.0 | MT | Feliz Natal | 34.8 |
| **1072** | 34.8 | MT | Feliz Natal | 3.7 |
| **1085** | 224.0 | MT | Feliz Natal | 38.6 |
| **1090** | 7,501.9 | MT | Feliz Natal | 2,120.0 |
| **1129** | 1,565.3 | MT | Feliz Natal | 1,565.3 |
| **1139** | 296.0 | MT | Feliz Natal | 16.3 |
| **1148** | 29.6 | MT | Feliz Natal | 28.6 |
| **1206** | 32.5 | MT | Feliz Natal | 1.2 |
| **1212** | 420.8 | MT | Feliz Natal | 101.9 |
| **1213** | 377.2 | MT | Feliz Natal | 285.0 |
| **1228** | 69.5 | MT | Feliz Natal | 69.5 |
| **1255** | 611.2 | MT | Feliz Natal | 467.7 |
| **1262** | 189.1 | MT | Feliz Natal | 186.2 |
| **1264** | 132.4 | MT | Feliz Natal | 41.5 |
| **1266** | 9,077.9 | MT | Feliz Natal | 7,524.8 |
| **1272** | 232.8 | MT | Feliz Natal | 218.1 |
| **1283** | 123.2 | MT | Feliz Natal | 1.8 |
| **1286** | 861.7 | MT | Feliz Natal | 706.9 |
| **1298** | 27.2 | MT | Feliz Natal | 1.6 |
| **1300** | 153.3 | MT | Feliz Natal | 22.3 |
| **1302** | 607.3 | MT | Feliz Natal | 326.8 |
| **1340** | 25.0 | MT | Feliz Natal | 22.9 |
| **1342** | 1,070.5 | MT | Feliz Natal | 212.5 |
| **1351** | 37.0 | MT | Feliz Natal | 23.9 |
| **1363** | 27.8 | MT | Feliz Natal | 25.6 |
| **1365** | 39.4 | MT | Feliz Natal | 39.4 |
| **1368** | 142.1 | MT | Feliz Natal | 17.4 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 1382 | 494.6 | MT | Feliz Natal | 125.0 |
| 1386 | 130.3 | MT | Feliz Natal | 127.5 |
| 1399 | 1,108.5 | MT | Feliz Natal | 1,094.6 |
| 1458 | 37.0 | MT | Feliz Natal | 33.1 |
| 1463 | 174.1 | MT | Feliz Natal | 174.1 |
| 1487 | 233.3 | MT | Feliz Natal | 134.6 |
| 1501 | 277.1 | MT | Feliz Natal | 203.9 |
| 1528 | 36.3 | MT | Feliz Natal | 33.2 |
| 1536 | 49.7 | MT | Feliz Natal | 39.9 |
| 1557 | 157.4 | MT | Feliz Natal | 129.4 |
| 1567 | 1,152.6 | MT | Feliz Natal | 871.5 |
| 1579 | 369.2 | MT | Feliz Natal | 110.3 |
| 1586 | 37.3 | MT | Feliz Natal | 37.3 |
| 1591 | 124.2 | MT | Feliz Natal | 51.7 |
| 1595 | 1,421.7 | MT | Feliz Natal | 761.0 |
| 1606 | 397.6 | MT | Feliz Natal | 342.9 |
| 1610 | 75.8 | MT | Feliz Natal | 22.7 |
| 1615 | 148.8 | MT | Feliz Natal | 124.8 |
| 1617 | 1,628.4 | MT | Feliz Natal | 1,342.5 |
| 1629 | 253.2 | MT | Feliz Natal | 226.8 |
| 1651 | 483.0 | MT | Feliz Natal | 448.6 |
| 1674 | 249.6 | MT | Feliz Natal | 234.0 |
| 1825 | 120.7 | MT | Feliz Natal | 117.5 |
| 1853 | 367.8 | MT | Feliz Natal | 195.6 |
| 1861 | 634.2 | MT | Feliz Natal | 335.8 |
| 1863 | 694.0 | MT | Feliz Natal | 370.3 |
| 1894 | 410.2 | MT | Feliz Natal | 410.2 |
| 1934 | 1,151.1 | MT | Feliz Natal | 1,144.0 |
| 1975 | 553.9 | MT | Feliz Natal | 482.5 |
| 2044 | 45.2 | MT | Feliz Natal | 36.0 |
| 2045 | 76.3 | MT | Feliz Natal | 2.4 |
| 2050 | 1,823.2 | MT | Feliz Natal | 1,426.1 |
| 366 | 218.7 | MT | Gaúcha do Norte | 129.0 |
| 379 | 237.9 | MT | Gaúcha do Norte | 192.7 |
| 391 | 71.7 | MT | Gaúcha do Norte | 3.3 |
| 510 | 234.2 | MT | Gaúcha do Norte | 92.6 |
| 534 | 34.9 | MT | Gaúcha do Norte | 12.4 |
| 543 | 126.2 | MT | Gaúcha do Norte | 9.3 |
| 560 | 81.6 | MT | Gaúcha do Norte | 2.8 |
| 564 | 224.7 | MT | Gaúcha do Norte | 82.1 |
| 583 | 398.0 | MT | Gaúcha do Norte | 6.0 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 596 | 36.4 | MT | Gaúcha do Norte | 36.4 |
| 598 | 91.5 | MT | Gaúcha do Norte | 1.8 |
| 600 | 535.2 | MT | Gaúcha do Norte | 418.6 |
| 629 | 1,905.7 | MT | Gaúcha do Norte | 9.8 |
| 637 | 29.2 | MT | Gaúcha do Norte | 6.7 |
| 668 | 33.9 | MT | Gaúcha do Norte | 17.4 |
| 681 | 98.1 | MT | Gaúcha do Norte | 35.8 |
| 698 | 48.6 | MT | Gaúcha do Norte | 4.1 |
| 707 | 53.0 | MT | Gaúcha do Norte | 8.8 |
| 715 | 29.7 | MT | Gaúcha do Norte | 1.1 |
| 753 | 75.9 | MT | Gaúcha do Norte | 1.1 |
| 756 | 121.2 | MT | Gaúcha do Norte | 7.9 |
| 768 | 31.8 | MT | Gaúcha do Norte | 31.8 |
| 6439 | 28.7 | MT | Guarantã do Norte | 24.5 |
| 6441 | 55.0 | MT | Guarantã do Norte | 41.7 |
| 1826 | 491.4 | MT | Ipiranga do Norte | 387.9 |
| 2080 | 168.1 | MT | Ipiranga do Norte | 147.2 |
| 2091 | 1,705.6 | MT | Ipiranga do Norte | 1,206.1 |
| 2124 | 375.7 | MT | Ipiranga do Norte | 7.6 |
| 2268 | 142.7 | MT | Ipiranga do Norte | 129.3 |
| 2277 | 43.3 | MT | Ipiranga do Norte | 29.3 |
| 2291 | 301.5 | MT | Ipiranga do Norte | 264.1 |
| 2292 | 121.7 | MT | Ipiranga do Norte | 112.9 |
| 2303 | 451.5 | MT | Ipiranga do Norte | 422.4 |
| 2318 | 1,261.7 | MT | Ipiranga do Norte | 1,084.3 |
| 2354 | 53.4 | MT | Ipiranga do Norte | 17.8 |
| 1505 | 64.0 | MT | Itanhangá | 58.9 |
| 1506 | 185.7 | MT | Itanhangá | 174.2 |
| 1549 | 38.2 | MT | Itanhangá | 35.6 |
| 1573 | 72.4 | MT | Itanhangá | 72.4 |
| 1574 | 136.3 | MT | Itanhangá | 124.1 |
| 1590 | 202.9 | MT | Itanhangá | 182.5 |
| 1593 | 25.4 | MT | Itanhangá | 22.4 |
| 1600 | 44.7 | MT | Itanhangá | 35.6 |
| 1613 | 240.6 | MT | Itanhangá | 224.8 |
| 1616 | 158.3 | MT | Itanhangá | 10.5 |
| 1628 | 67.7 | MT | Itanhangá | 22.7 |
| 1796 | 26.0 | MT | Itanhangá | 1.3 |
| 1822 | 214.6 | MT | Itanhangá | 0.9 |
| 1834 | 112.3 | MT | Itanhangá | 6.0 |
| 1851 | 38.4 | MT | Itanhangá | 14.9 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 1857 | 668.0 | MT | Itanhangá | 342.4 |
| 1903 | 1,007.8 | MT | Itanhangá | 3.4 |
| 1905 | 50.1 | MT | Itanhangá | 5.9 |
| 1921 | 40.9 | MT | Itanhangá | 0.8 |
| 1977 | 214.9 | MT | Itanhangá | 182.2 |
| 2019 | 2,258.3 | MT | Itanhangá | 1,288.9 |
| 2033 | 323.8 | MT | Itanhangá | 276.9 |
| 2035 | 242.2 | MT | Itanhangá | 0.7 |
| 2049 | 97.3 | MT | Itanhangá | 69.2 |
| 2052 | 154.7 | MT | Itanhangá | 4.5 |
| 2075 | 2,497.1 | MT | Itanhangá | 582.3 |
| 2857 | 368.8 | MT | Itaúba | 4.3 |
| 2891 | 130.7 | MT | Itaúba | 109.5 |
| 2892 | 1,549.5 | MT | Itaúba | 41.3 |
| 2897 | 33.6 | MT | Itaúba | 13.0 |
| 2901 | 107.4 | MT | Itaúba | 0.8 |
| 2909 | 38.6 | MT | Itaúba | 23.6 |
| 2912 | 49.6 | MT | Itaúba | 1.2 |
| 2914 | 49.0 | MT | Itaúba | 46.1 |
| 2923 | 32.0 | MT | Itaúba | 28.4 |
| 2940 | 224.5 | MT | Itaúba | 31.0 |
| 3002 | 676.9 | MT | Itaúba | 0.6 |
| 3058 | 1,211.3 | MT | Itaúba | 593.6 |
| 3071 | 180.8 | MT | Itaúba | 88.5 |
| 3084 | 788.2 | MT | Itaúba | 154.3 |
| 3118 | 423.8 | MT | Itaúba | 402.7 |
| 3167 | 270.5 | MT | Itaúba | 265.2 |
| 1985 | 1,591.7 | MT | Juara | 840.6 |
| 2487 | 97.5 | MT | Juara | 19.5 |
| 2610 | 599.6 | MT | Juara | 1.7 |
| 793 | 514.2 | MT | Lucas do Rio Verde | 126.9 |
| 804 | 148.8 | MT | Lucas do Rio Verde | 135.4 |
| 2937 | 369.3 | MT | Marcelândia | 40.6 |
| 2954 | 57.4 | MT | Marcelândia | 0.9 |
| 2986 | 45.3 | MT | Marcelândia | 31.6 |
| 2996 | 83.6 | MT | Marcelândia | 16.6 |
| 3005 | 36.2 | MT | Marcelândia | 24.3 |
| 3040 | 131.1 | MT | Marcelândia | 9.8 |
| 3050 | 82.4 | MT | Marcelândia | 44.2 |
| 3064 | 54.1 | MT | Marcelândia | 52.3 |
| 3078 | 25.2 | MT | Marcelândia | 17.5 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **3103** | 28.1 | MT | Marcelândia | 13.3 |
| **3124** | 48.0 | MT | Marcelândia | 33.5 |
| **3131** | 62.1 | MT | Marcelândia | 4.6 |
| **3159** | 60.0 | MT | Marcelândia | 0.7 |
| **3165** | 833.6 | MT | Marcelândia | 45.6 |
| **3173** | 130.4 | MT | Marcelândia | 2.5 |
| **3177** | 93.3 | MT | Marcelândia | 42.7 |
| **3178** | 224.3 | MT | Marcelândia | 21.9 |
| **3185** | 89.8 | MT | Marcelândia | 53.8 |
| **3186** | 230.3 | MT | Marcelândia | 126.8 |
| **3187** | 173.9 | MT | Marcelândia | 171.5 |
| **3202** | 59.8 | MT | Marcelândia | 36.3 |
| **3213** | 104.4 | MT | Marcelândia | 16.6 |
| **3214** | 313.5 | MT | Marcelândia | 311.9 |
| **3215** | 82.3 | MT | Marcelândia | 45.7 |
| **3218** | 93.7 | MT | Marcelândia | 85.9 |
| **3220** | 105.0 | MT | Marcelândia | 9.0 |
| **3222** | 47.4 | MT | Marcelândia | 35.1 |
| **3240** | 29.0 | MT | Marcelândia | 23.7 |
| **3266** | 375.0 | MT | Marcelândia | 215.8 |
| **3284** | 93.6 | MT | Marcelândia | 55.0 |
| **3290** | 3,902.9 | MT | Marcelândia | 397.8 |
| **3313** | 341.6 | MT | Marcelândia | 239.9 |
| **3344** | 1,276.9 | MT | Marcelândia | 379.9 |
| **3349** | 26.9 | MT | Marcelândia | 9.5 |
| **3356** | 208.3 | MT | Marcelândia | 125.4 |
| **3364** | 705.9 | MT | Marcelândia | 685.8 |
| **3385** | 274.7 | MT | Marcelândia | 135.6 |
| **3393** | 241.5 | MT | Marcelândia | 89.0 |
| **3402** | 25.0 | MT | Marcelândia | 13.6 |
| **3417** | 25.0 | MT | Marcelândia | 0.8 |
| **3455** | 3,590.6 | MT | Marcelândia | 449.3 |
| **3481** | 38.4 | MT | Marcelândia | 28.6 |
| **3501** | 182.9 | MT | Marcelândia | 160.2 |
| **3536** | 85.8 | MT | Marcelândia | 78.2 |
| **3621** | 733.6 | MT | Marcelândia | 10.5 |
| **3700** | 26.4 | MT | Marcelândia | 19.3 |
| **3714** | 69.6 | MT | Marcelândia | 61.9 |
| **3727** | 40.0 | MT | Marcelândia | 28.0 |
| **3730** | 54.1 | MT | Marcelândia | 44.7 |
| **3739** | 84.7 | MT | Marcelândia | 32.5 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **3742** | 65.6 | MT | Marcelândia | 54.8 |
| **4389** | 26.2 | MT | Matupá | 12.5 |
| **4410** | 81.5 | MT | Matupá | 14.5 |
| **4426** | 58.9 | MT | Matupá | 3.2 |
| **4537** | 27.5 | MT | Matupá | 16.4 |
| **4541** | 208.9 | MT | Matupá | 6.6 |
| **4652** | 34.3 | MT | Matupá | 25.2 |
| **4653** | 67.4 | MT | Matupá | 53.9 |
| **4654** | 28.8 | MT | Matupá | 21.5 |
| **4657** | 39.2 | MT | Matupá | 30.3 |
| **4672** | 46.1 | MT | Matupá | 31.7 |
| **4702** | 211.1 | MT | Matupá | 38.4 |
| **4879** | 112.7 | MT | Matupá | 94.5 |
| **4944** | 289.5 | MT | Matupá | 260.6 |
| **4973** | 92.0 | MT | Matupá | 79.9 |
| **3327** | 391.2 | MT | Nova Canaã do Norte | 182.3 |
| **3547** | 38.8 | MT | Nova Canaã do Norte | 2.6 |
| **3741** | 49.0 | MT | Nova Canaã do Norte | 7.0 |
| **4150** | 51.2 | MT | Nova Guarita | 45.6 |
| **4272** | 94.3 | MT | Nova Guarita | 0.9 |
| **4306** | 31.5 | MT | Nova Guarita | 11.1 |
| **242** | 336.3 | MT | Nova Lacerda | 1.8 |
| **254** | 252.7 | MT | Nova Lacerda | 14.9 |
| **282** | 295.4 | MT | Nova Lacerda | 5.6 |
| **285** | 660.9 | MT | Nova Lacerda | 14.2 |
| **526** | 349.8 | MT | Nova Maringá | 272.0 |
| **593** | 424.0 | MT | Nova Maringá | 5.7 |
| **638** | 115.3 | MT | Nova Maringá | 77.1 |
| **669** | 258.3 | MT | Nova Maringá | 256.4 |
| **713** | 81.4 | MT | Nova Maringá | 56.7 |
| **720** | 36.0 | MT | Nova Maringá | 8.1 |
| **742** | 31.2 | MT | Nova Maringá | 31.2 |
| **747** | 47.2 | MT | Nova Maringá | 23.7 |
| **763** | 53.8 | MT | Nova Maringá | 25.9 |
| **795** | 589.7 | MT | Nova Maringá | 581.6 |
| **803** | 126.0 | MT | Nova Maringá | 51.8 |
| **809** | 46.4 | MT | Nova Maringá | 45.2 |
| **825** | 1,136.4 | MT | Nova Maringá | 38.2 |
| **829** | 92.8 | MT | Nova Maringá | 45.3 |
| **835** | 309.1 | MT | Nova Maringá | 75.6 |
| **837** | 26.0 | MT | Nova Maringá | 6.7 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 841 | 288.9 | MT | Nova Maringá | 269.9 |
| 847 | 110.0 | MT | Nova Maringá | 3.4 |
| 849 | 31.7 | MT | Nova Maringá | 17.6 |
| 851 | 48.5 | MT | Nova Maringá | 7.1 |
| 874 | 55.3 | MT | Nova Maringá | 47.3 |
| 875 | 306.2 | MT | Nova Maringá | 301.4 |
| 876 | 64.5 | MT | Nova Maringá | 14.8 |
| 881 | 2,417.5 | MT | Nova Maringá | 2,123.3 |
| 889 | 1,332.2 | MT | Nova Maringá | 1,128.2 |
| 934 | 26.8 | MT | Nova Maringá | 26.8 |
| 941 | 71.3 | MT | Nova Maringá | 67.7 |
| 950 | 220.1 | MT | Nova Maringá | 179.3 |
| 956 | 65.2 | MT | Nova Maringá | 64.1 |
| 959 | 26.4 | MT | Nova Maringá | 26.4 |
| 971 | 860.2 | MT | Nova Maringá | 855.5 |
| 1038 | 60.2 | MT | Nova Maringá | 60.2 |
| 1086 | 152.6 | MT | Nova Maringá | 139.3 |
| 1111 | 263.7 | MT | Nova Maringá | 263.7 |
| 1532 | 416.5 | MT | Nova Maringá | 416.5 |
| 1541 | 413.9 | MT | Nova Maringá | 413.9 |
| 1543 | 60.3 | MT | Nova Maringá | 60.3 |
| 1546 | 133.4 | MT | Nova Maringá | 100.9 |
| 1550 | 124.1 | MT | Nova Maringá | 116.1 |
| 1558 | 122.0 | MT | Nova Maringá | 122.0 |
| 1582 | 30.0 | MT | Nova Maringá | 30.0 |
| 1602 | 414.0 | MT | Nova Maringá | 171.3 |
| 1844 | 40.2 | MT | Nova Maringá | 40.2 |
| 1915 | 53.1 | MT | Nova Maringá | 20.6 |
| 1942 | 680.0 | MT | Nova Maringá | 566.9 |
| 1944 | 344.0 | MT | Nova Maringá | 344.0 |
| 1976 | 413.0 | MT | Nova Maringá | 413.0 |
| 1985 | 1,591.7 | MT | Nova Maringá | 0.6 |
| 2168 | 312.4 | MT | Nova Maringá | 294.6 |
| 2185 | 476.4 | MT | Nova Maringá | 58.8 |
| 3070 | 32.4 | MT | Nova Santa Helena | 32.0 |
| 3087 | 121.3 | MT | Nova Santa Helena | 69.6 |
| 3096 | 65.7 | MT | Nova Santa Helena | 58.4 |
| 3101 | 35.9 | MT | Nova Santa Helena | 35.9 |
| 3102 | 37.2 | MT | Nova Santa Helena | 18.2 |
| 3106 | 27.9 | MT | Nova Santa Helena | 15.0 |
| 3164 | 236.4 | MT | Nova Santa Helena | 70.3 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 3183 | 88.8 | MT | Nova Santa Helena | 88.8 |
| 3195 | 61.4 | MT | Nova Santa Helena | 61.4 |
| 3239 | 39.8 | MT | Nova Santa Helena | 39.8 |
| 3266 | 375.0 | MT | Nova Santa Helena | 0.0 |
| 3361 | 58.0 | MT | Nova Santa Helena | 8.2 |
| 3403 | 144.7 | MT | Nova Santa Helena | 137.6 |
| 444 | 262.6 | MT | Nova Ubiratã | 243.7 |
| 468 | 712.0 | MT | Nova Ubiratã | 215.0 |
| 487 | 90.8 | MT | Nova Ubiratã | 88.6 |
| 490 | 957.8 | MT | Nova Ubiratã | 455.6 |
| 493 | 812.1 | MT | Nova Ubiratã | 583.2 |
| 494 | 220.3 | MT | Nova Ubiratã | 219.6 |
| 509 | 595.3 | MT | Nova Ubiratã | 1.1 |
| 511 | 189.4 | MT | Nova Ubiratã | 189.4 |
| 512 | 331.6 | MT | Nova Ubiratã | 291.2 |
| 519 | 543.5 | MT | Nova Ubiratã | 23.4 |
| 545 | 903.6 | MT | Nova Ubiratã | 773.5 |
| 716 | 232.5 | MT | Nova Ubiratã | 199.3 |
| 719 | 225.1 | MT | Nova Ubiratã | 217.2 |
| 746 | 27.4 | MT | Nova Ubiratã | 22.9 |
| 749 | 128.9 | MT | Nova Ubiratã | 2.8 |
| 760 | 230.2 | MT | Nova Ubiratã | 123.8 |
| 764 | 85.1 | MT | Nova Ubiratã | 54.1 |
| 848 | 43.3 | MT | Nova Ubiratã | 41.0 |
| 858 | 108.8 | MT | Nova Ubiratã | 81.3 |
| 931 | 94.9 | MT | Nova Ubiratã | 94.9 |
| 954 | 140.9 | MT | Nova Ubiratã | 140.9 |
| 961 | 25.1 | MT | Nova Ubiratã | 1.0 |
| 966 | 430.8 | MT | Nova Ubiratã | 113.5 |
| 976 | 137.6 | MT | Nova Ubiratã | 27.8 |
| 1090 | 7,501.9 | MT | Nova Ubiratã | 1.1 |
| 1163 | 88.8 | MT | Nova Ubiratã | 88.8 |
| 1172 | 460.6 | MT | Nova Ubiratã | 282.4 |
| 1196 | 42.0 | MT | Nova Ubiratã | 6.1 |
| 1211 | 136.9 | MT | Nova Ubiratã | 1.7 |
| 1354 | 43.0 | MT | Nova Ubiratã | 4.2 |
| 1408 | 85.9 | MT | Nova Ubiratã | 5.0 |
| 1578 | 136.9 | MT | Nova Ubiratã | 2.3 |
| 1665 | 653.1 | MT | Nova Ubiratã | 589.9 |
| 4703 | 81.3 | MT | Novo Mundo | 52.3 |
| 4856 | 70.0 | MT | Novo Mundo | 37.3 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 4863 | 37.8 | MT | Novo Mundo | 8.1 |
| 4989 | 53.7 | MT | Novo Mundo | 51.2 |
| 5044 | 80.4 | MT | Novo Mundo | 6.2 |
| 5072 | 64.9 | MT | Novo Mundo | 55.9 |
| 5175 | 1,367.2 | MT | Novo Mundo | 113.2 |
| 5241 | 30.6 | MT | Novo Mundo | 8.2 |
| 5297 | 220.5 | MT | Novo Mundo | 193.7 |
| 5319 | 30.5 | MT | Novo Mundo | 27.6 |
| 5335 | 57.3 | MT | Novo Mundo | 52.6 |
| 5364 | 31.6 | MT | Novo Mundo | 25.6 |
| 5375 | 32.8 | MT | Novo Mundo | 6.1 |
| 5400 | 40.1 | MT | Novo Mundo | 2.1 |
| 5473 | 44.9 | MT | Novo Mundo | 37.5 |
| 5592 | 136.3 | MT | Novo Mundo | 60.1 |
| 5597 | 42.5 | MT | Novo Mundo | 10.3 |
| 6304 | 80.3 | MT | Novo Mundo | 0.7 |
| 5628 | 113.8 | MT | Paranaíta | 93.5 |
| 400 | 451.3 | MT | Paranatinga | 5.8 |
| 630 | 58.7 | MT | Paranatinga | 54.2 |
| 873 | 1,744.8 | MT | Paranatinga | 35.1 |
| 3745 | 732.6 | MT | Peixoto de Azevedo | 720.8 |
| 3842 | 297.6 | MT | Peixoto de Azevedo | 29.0 |
| 3843 | 54.4 | MT | Peixoto de Azevedo | 5.9 |
| 4049 | 146.9 | MT | Peixoto de Azevedo | 43.8 |
| 5229 | 2,049.5 | MT | Peixoto de Azevedo | 7.6 |
| 36 | 48.8 | MT | Pontes e Lacerda | 47.5 |
| 3262 | 38.8 | MT | Porto Alegre do Norte | 4.9 |
| 3263 | 170.9 | MT | Porto Alegre do Norte | 96.9 |
| 3490 | 454.3 | MT | Porto Alegre do Norte | 423.3 |
| 3510 | 29.1 | MT | Porto Alegre do Norte | 26.6 |
| 3515 | 290.9 | MT | Porto Alegre do Norte | 281.3 |
| 3533 | 178.7 | MT | Porto Alegre do Norte | 118.8 |
| 2061 | 25.1 | MT | Porto dos Gaúchos | 25.1 |
| 2078 | 62.6 | MT | Porto dos Gaúchos | 47.5 |
| 2120 | 28.4 | MT | Porto dos Gaúchos | 25.5 |
| 2154 | 1,542.2 | MT | Porto dos Gaúchos | 18.7 |
| 2165 | 172.7 | MT | Porto dos Gaúchos | 83.8 |
| 2177 | 707.4 | MT | Porto dos Gaúchos | 504.9 |
| 2196 | 60.6 | MT | Porto dos Gaúchos | 56.2 |
| 2201 | 291.5 | MT | Porto dos Gaúchos | 285.1 |
| 2204 | 67.8 | MT | Porto dos Gaúchos | 55.3 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **2211** | 27.1 | MT | Porto dos Gaúchos | 22.9 |
| **2215** | 885.6 | MT | Porto dos Gaúchos | 848.0 |
| **2225** | 302.8 | MT | Porto dos Gaúchos | 265.4 |
| **2236** | 1,047.0 | MT | Porto dos Gaúchos | 238.7 |
| **2250** | 1,195.2 | MT | Porto dos Gaúchos | 1,136.2 |
| **2311** | 33.4 | MT | Porto dos Gaúchos | 2.5 |
| **2317** | 58.5 | MT | Porto dos Gaúchos | 0.7 |
| **2327** | 89.7 | MT | Porto dos Gaúchos | 34.1 |
| **2339** | 40.8 | MT | Porto dos Gaúchos | 40.8 |
| **2343** | 57.1 | MT | Porto dos Gaúchos | 4.7 |
| **2346** | 129.7 | MT | Porto dos Gaúchos | 129.7 |
| **2350** | 98.9 | MT | Porto dos Gaúchos | 98.9 |
| **2355** | 28.4 | MT | Porto dos Gaúchos | 20.8 |
| **2368** | 30.8 | MT | Porto dos Gaúchos | 30.8 |
| **2370** | 42.4 | MT | Porto dos Gaúchos | 32.3 |
| **2373** | 47.3 | MT | Porto dos Gaúchos | 22.7 |
| **2374** | 26.2 | MT | Porto dos Gaúchos | 20.4 |
| **2378** | 142.6 | MT | Porto dos Gaúchos | 142.6 |
| **2384** | 102.1 | MT | Porto dos Gaúchos | 92.1 |
| **2385** | 154.1 | MT | Porto dos Gaúchos | 152.5 |
| **2390** | 54.3 | MT | Porto dos Gaúchos | 49.3 |
| **2391** | 31.5 | MT | Porto dos Gaúchos | 23.3 |
| **2393** | 811.9 | MT | Porto dos Gaúchos | 698.2 |
| **2402** | 88.3 | MT | Porto dos Gaúchos | 85.3 |
| **2408** | 65.8 | MT | Porto dos Gaúchos | 49.3 |
| **2410** | 45.5 | MT | Porto dos Gaúchos | 30.7 |
| **2413** | 67.5 | MT | Porto dos Gaúchos | 54.1 |
| **2415** | 322.8 | MT | Porto dos Gaúchos | 278.2 |
| **2457** | 48.3 | MT | Porto dos Gaúchos | 27.4 |
| **2504** | 286.0 | MT | Porto dos Gaúchos | 214.4 |
| **2513** | 396.0 | MT | Porto dos Gaúchos | 0.4 |
| **694** | 42.5 | MT | Querência | 42.5 |
| **965** | 289.9 | MT | Querência | 3.1 |
| **1027** | 61.9 | MT | Querência | 48.3 |
| **1078** | 290.4 | MT | Querência | 214.8 |
| **1089** | 51.8 | MT | Querência | 45.8 |
| **1101** | 102.7 | MT | Querência | 96.8 |
| **1238** | 393.2 | MT | Querência | 11.2 |
| **1259** | 125.7 | MT | Querência | 118.8 |
| **1881** | 5,398.8 | MT | Querência | 23.4 |
| **2164** | 860.0 | MT | Querência | 13.6 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 1831 | 123.6 | MT | Santa Carmem | 123.6 |
| 1928 | 220.4 | MT | Santa Carmem | 213.1 |
| 1941 | 36.0 | MT | Santa Carmem | 34.5 |
| 1961 | 45.3 | MT | Santa Carmem | 41.3 |
| 1970 | 70.2 | MT | Santa Carmem | 65.9 |
| 1980 | 879.3 | MT | Santa Carmem | 837.9 |
| 1986 | 129.4 | MT | Santa Carmem | 52.1 |
| 2012 | 571.0 | MT | Santa Carmem | 565.8 |
| 2021 | 46.3 | MT | Santa Carmem | 40.9 |
| 2041 | 500.1 | MT | Santa Carmem | 500.1 |
| 2066 | 1,561.8 | MT | Santa Carmem | 1,525.3 |
| 2071 | 44.0 | MT | Santa Carmem | 39.3 |
| 2072 | 49.3 | MT | Santa Carmem | 28.5 |
| 2082 | 97.5 | MT | Santa Carmem | 90.7 |
| 2086 | 927.6 | MT | Santa Carmem | 343.9 |
| 2099 | 549.0 | MT | Santa Carmem | 541.0 |
| 2104 | 160.2 | MT | Santa Carmem | 2.6 |
| 2106 | 1,113.4 | MT | Santa Carmem | 1,062.6 |
| 2109 | 533.2 | MT | Santa Carmem | 296.4 |
| 2118 | 269.8 | MT | Santa Carmem | 164.2 |
| 2126 | 53.6 | MT | Santa Carmem | 37.3 |
| 2136 | 36.8 | MT | Santa Carmem | 26.3 |
| 2161 | 151.6 | MT | Santa Carmem | 148.5 |
| 2173 | 58.0 | MT | Santa Carmem | 58.0 |
| 2179 | 94.4 | MT | Santa Carmem | 18.1 |
| 2190 | 481.2 | MT | Santa Carmem | 463.3 |
| 2192 | 43.3 | MT | Santa Carmem | 8.3 |
| 2197 | 77.5 | MT | Santa Carmem | 1.4 |
| 2203 | 29.8 | MT | Santa Carmem | 8.8 |
| 2223 | 192.2 | MT | Santa Carmem | 149.3 |
| 2235 | 1,450.4 | MT | Santa Carmem | 65.0 |
| 2313 | 66.2 | MT | Santa Carmem | 31.7 |
| 2316 | 229.0 | MT | Santa Carmem | 223.1 |
| 2329 | 619.9 | MT | Santa Carmem | 610.5 |
| 2351 | 683.7 | MT | Santa Carmem | 160.6 |
| 2352 | 1,945.9 | MT | Santa Carmem | 504.7 |
| 2353 | 873.6 | MT | Santa Carmem | 873.6 |
| 2380 | 126.2 | MT | Santa Carmem | 108.7 |
| 4394 | 2,727.6 | MT | Santa Cruz do Xingu | 95.2 |
| 4432 | 523.4 | MT | Santa Cruz do Xingu | 492.5 |
| 4469 | 37.5 | MT | Santa Cruz do Xingu | 32.5 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **4484** | 41.4 | MT | Santa Cruz do Xingu | 38.8 |
| **4497** | 25.3 | MT | Santa Cruz do Xingu | 17.7 |
| **4533** | 768.0 | MT | Santa Cruz do Xingu | 696.6 |
| **4552** | 119.2 | MT | Santa Cruz do Xingu | 93.1 |
| **4623** | 715.3 | MT | Santa Cruz do Xingu | 32.2 |
| **4699** | 243.3 | MT | Santa Cruz do Xingu | 154.1 |
| **2558** | 31.6 | MT | São Félix do Araguaia | 28.6 |
| **2564** | 78.9 | MT | São Félix do Araguaia | 64.9 |
| **2569** | 26.7 | MT | São Félix do Araguaia | 26.7 |
| **2575** | 63.6 | MT | São Félix do Araguaia | 26.4 |
| **2579** | 522.6 | MT | São Félix do Araguaia | 429.2 |
| **2587** | 42.0 | MT | São Félix do Araguaia | 17.3 |
| **2598** | 36.1 | MT | São Félix do Araguaia | 31.4 |
| **2625** | 27.5 | MT | São Félix do Araguaia | 27.5 |
| **2636** | 29.9 | MT | São Félix do Araguaia | 20.5 |
| **2694** | 31.6 | MT | São Félix do Araguaia | 25.8 |
| **3189** | 647.1 | MT | São Félix do Araguaia | 1.1 |
| **497** | 33.8 | MT | São José do Rio Claro | 11.5 |
| **538** | 201.0 | MT | São José do Rio Claro | 2.5 |
| **553** | 37.8 | MT | São José do Rio Claro | 29.9 |
| **621** | 2,757.5 | MT | São José do Rio Claro | 335.5 |
| **647** | 45.8 | MT | São José do Rio Claro | 36.1 |
| **3189** | 647.1 | MT | São José do Xingu | 368.9 |
| **3539** | 28.5 | MT | São José do Xingu | 25.7 |
| **3636** | 44.1 | MT | São José do Xingu | 18.5 |
| **3812** | 166.0 | MT | São José do Xingu | 7.6 |
| **2114** | 104.0 | MT | Sinop | 2.9 |
| **2131** | 34.1 | MT | Sinop | 3.9 |
| **2163** | 272.7 | MT | Sinop | 231.2 |
| **2319** | 166.8 | MT | Sinop | 151.0 |
| **2333** | 104.9 | MT | Sinop | 102.9 |
| **2347** | 25.1 | MT | Sinop | 19.1 |
| **2361** | 53.4 | MT | Sinop | 45.3 |
| **2474** | 89.2 | MT | Sinop | 31.6 |
| **2517** | 437.2 | MT | Sinop | 419.6 |
| **2521** | 27.9 | MT | Sinop | 17.5 |
| **2548** | 565.2 | MT | Sinop | 545.4 |
| **2892** | 1,549.5 | MT | Sinop | 126.5 |
| **1688** | 174.7 | MT | Sorriso | 174.7 |
| **2480** | 322.8 | MT | Tabaporã | 272.4 |
| **2511** | 312.6 | MT | Tabaporã | 300.4 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 2513 | 396.0 | MT | Tabaporã | 395.7 |
| 2519 | 205.3 | MT | Tabaporã | 205.3 |
| 2553 | 483.8 | MT | Tabaporã | 421.0 |
| 2576 | 395.5 | MT | Tabaporã | 353.0 |
| 2590 | 102.9 | MT | Tabaporã | 96.9 |
| 2616 | 29.8 | MT | Tabaporã | 26.2 |
| 2621 | 376.1 | MT | Tabaporã | 355.7 |
| 2638 | 241.2 | MT | Tabaporã | 231.6 |
| 2647 | 51.1 | MT | Tabaporã | 50.2 |
| 2668 | 41.4 | MT | Tabaporã | 40.4 |
| 2757 | 942.5 | MT | Tabaporã | 841.1 |
| 2808 | 441.1 | MT | Tabaporã | 441.1 |
| 2826 | 368.0 | MT | Tabaporã | 362.7 |
| 2958 | 75.2 | MT | Tabaporã | 0.8 |
| 2983 | 44.1 | MT | Tabaporã | 2.9 |
| 3059 | 35.7 | MT | Tabaporã | 35.7 |
| 3063 | 27.0 | MT | Tabaporã | 15.2 |
| 3139 | 179.6 | MT | Tabaporã | 159.9 |
| 863 | 126.9 | MT | Tapurah | 106.6 |
| 916 | 161.2 | MT | Tapurah | 88.4 |
| 935 | 42.2 | MT | Tapurah | 42.2 |
| 938 | 207.0 | MT | Tapurah | 166.1 |
| 940 | 181.2 | MT | Tapurah | 10.1 |
| 943 | 42.9 | MT | Tapurah | 29.7 |
| 948 | 114.1 | MT | Tapurah | 112.3 |
| 1034 | 257.8 | MT | Tapurah | 105.2 |
| 1043 | 27.1 | MT | Tapurah | 27.1 |
| 1103 | 385.9 | MT | Tapurah | 356.2 |
| 1142 | 159.7 | MT | Tapurah | 152.9 |
| 1157 | 28.2 | MT | Tapurah | 21.4 |
| 1166 | 135.5 | MT | Tapurah | 72.6 |
| 1173 | 605.8 | MT | Tapurah | 217.7 |
| 1176 | 38.7 | MT | Tapurah | 38.7 |
| 1181 | 37.9 | MT | Tapurah | 11.8 |
| 1189 | 31.0 | MT | Tapurah | 31.0 |
| 1192 | 86.8 | MT | Tapurah | 82.2 |
| 1198 | 147.9 | MT | Tapurah | 143.0 |
| 1199 | 74.4 | MT | Tapurah | 74.4 |
| 1384 | 186.9 | MT | Tapurah | 177.9 |
| 1398 | 234.9 | MT | Tapurah | 32.1 |
| 1406 | 233.2 | MT | Tapurah | 7.6 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **1432** | 285.3 | MT | Tapurah | 258.7 |
| **1438** | 387.9 | MT | Tapurah | 342.1 |
| **1441** | 27.9 | MT | Tapurah | 24.2 |
| **1474** | 62.7 | MT | Tapurah | 0.8 |
| **1622** | 258.8 | MT | Tapurah | 2.1 |
| **3534** | 61.5 | MT | Terra Nova do Norte | 36.2 |
| **3537** | 81.4 | MT | Terra Nova do Norte | 5.4 |
| **3557** | 83.8 | MT | Terra Nova do Norte | 74.2 |
| **3578** | 882.8 | MT | Terra Nova do Norte | 578.9 |
| **3631** | 82.9 | MT | Terra Nova do Norte | 79.9 |
| **3654** | 47.8 | MT | Terra Nova do Norte | 0.7 |
| **3773** | 137.2 | MT | Terra Nova do Norte | 1.3 |
| **3920** | 45.3 | MT | Terra Nova do Norte | 40.3 |
| **3967** | 48.9 | MT | Terra Nova do Norte | 3.6 |
| **3979** | 30.1 | MT | Terra Nova do Norte | 28.5 |
| **2218** | 261.4 | MT | União do Sul | 259.3 |
| **2226** | 140.3 | MT | União do Sul | 129.7 |
| **2228** | 78.2 | MT | União do Sul | 71.0 |
| **2235** | 1,450.4 | MT | União do Sul | 1,346.2 |
| **2282** | 190.8 | MT | União do Sul | 189.9 |
| **2297** | 695.3 | MT | União do Sul | 677.4 |
| **2310** | 554.9 | MT | União do Sul | 554.9 |
| **2315** | 525.3 | MT | União do Sul | 346.3 |
| **2324** | 235.8 | MT | União do Sul | 223.2 |
| **2344** | 219.9 | MT | União do Sul | 194.5 |
| **2348** | 407.5 | MT | União do Sul | 402.8 |
| **2376** | 557.8 | MT | União do Sul | 525.1 |
| **2389** | 396.0 | MT | União do Sul | 277.9 |
| **2398** | 35.8 | MT | União do Sul | 31.8 |
| **2401** | 1,260.2 | MT | União do Sul | 1,160.8 |
| **2422** | 254.8 | MT | União do Sul | 83.2 |
| **2423** | 98.9 | MT | União do Sul | 98.9 |
| **2427** | 632.1 | MT | União do Sul | 153.3 |
| **2430** | 145.1 | MT | União do Sul | 37.5 |
| **2445** | 38.7 | MT | União do Sul | 22.5 |
| **2453** | 48.5 | MT | União do Sul | 1.3 |
| **2456** | 138.6 | MT | União do Sul | 109.5 |
| **2459** | 689.2 | MT | União do Sul | 689.2 |
| **2461** | 151.8 | MT | União do Sul | 23.4 |
| **2465** | 82.4 | MT | União do Sul | 75.7 |
| **2486** | 403.3 | MT | União do Sul | 57.6 |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **2488** | 228.4 | MT | União do Sul | 203.1 |
| **2489** | 2,145.5 | MT | União do Sul | 1,501.4 |
| **2502** | 6,520.4 | MT | União do Sul | 531.5 |
| **2506** | 84.1 | MT | União do Sul | 84.1 |
| **2524** | 97.4 | MT | União do Sul | 3.9 |
| **2540** | 103.1 | MT | União do Sul | 0.6 |
| **2561** | 960.4 | MT | União do Sul | 944.5 |
| **2565** | 86.3 | MT | União do Sul | 71.9 |
| **2596** | 124.2 | MT | União do Sul | 5.6 |
| **2611** | 111.0 | MT | União do Sul | 1.9 |
| **2626** | 232.3 | MT | União do Sul | 0.9 |
| **2658** | 25.6 | MT | União do Sul | 13.5 |
| **2687** | 30.1 | MT | União do Sul | 28.7 |
| **2703** | 52.9 | MT | União do Sul | 42.9 |
| **2748** | 1,209.4 | MT | União do Sul | 25.4 |
| **2788** | 28.8 | MT | União do Sul | 21.5 |
| **2789** | 37.8 | MT | União do Sul | 35.6 |
| **2832** | 935.3 | MT | União do Sul | 1.3 |
| **1051** | 122.8 | MT | Vera | 122.8 |
| **1073** | 202.6 | MT | Vera | 198.6 |
| **1158** | 139.3 | MT | Vera | 139.3 |
| **1236** | 85.7 | MT | Vera | 2.9 |
| **1633** | 144.1 | MT | Vera | 118.8 |
| **1635** | 35.9 | MT | Vera | 6.7 |
| **1689** | 395.6 | MT | Vera | 191.0 |
| **1695** | 96.7 | MT | Vera | 9.1 |
| **1717** | 98.4 | MT | Vera | 75.0 |
| **1733** | 39.3 | MT | Vera | 25.3 |
| **1747** | 39.3 | MT | Vera | 30.4 |
| **1798** | 31.3 | MT | Vera | 27.9 |
| **1860** | 1,223.3 | MT | Vera | 520.9 |
| **36** | 48.8 | MT | Vila Bela da Santíssima Trindade | 0.1 |
| **165** | 48.7 | MT | Vila Bela da Santíssima Trindade | 39.1 |
| **4375** | 110.7 | MT | Vila Rica | 100.0 |
| **4642** | 29.2 | MT | Vila Rica | 29.2 |
| **4693** | 44.8 | MT | Vila Rica | 21.5 |
| **4772** | 40.7 | MT | Vila Rica | 31.9 |
| **TOTAL FOR MATO GROSSO STATE** | | | | **115,917.4** |

**Table 8.1.** Polygons with non-compliant soy in Mato Grosso state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **9141** | 58.0 | PA | Altamira | 7.4 |
| **9148** | 26.3 | PA | Altamira | 6.2 |
| **9158** | 831.4 | PA | Altamira | 344.2 |
| **9204** | 61.8 | PA | Altamira | 53.5 |
| **9219** | 47.5 | PA | Altamira | 19.9 |
| **9226** | 64.5 | PA | Altamira | 51.8 |
| **9239** | 41.5 | PA | Altamira | 26.6 |
| **9336** | 532.5 | PA | Altamira | 36.6 |
| **9355** | 747.7 | PA | Altamira | 3.6 |
| **9776** | 770.4 | PA | Altamira | 13.8 |
| **9846** | 2,311.7 | PA | Altamira | 6.0 |
| **10631** | 158.2 | PA | Altamira | 102.1 |
| **11387** | 43.5 | PA | Altamira | 35.8 |
| **11512** | 23,550.0 | PA | Altamira | 89.1 |
| **15100** | 34.4 | PA | Belterra | 5.1 |
| **15119** | 99.1 | PA | Belterra | 69.3 |
| **15121** | 170.8 | PA | Belterra | 73.7 |
| **15122** | 25.9 | PA | Belterra | 25.9 |
| **15148** | 30.1 | PA | Belterra | 1.7 |
| **15390** | 101.5 | PA | Belterra | 61.9 |
| **15494** | 45.3 | PA | Belterra | 8.0 |
| **15727** | 134.7 | PA | Belterra | 114.4 |
| **13583** | 35.1 | PA | Dom Eliseu | 1.0 |
| **13585** | 25.7 | PA | Dom Eliseu | 7.2 |
| **13634** | 36.9 | PA | Dom Eliseu | 32.3 |
| **13638** | 142.1 | PA | Dom Eliseu | 108.4 |
| **13639** | 323.6 | PA | Dom Eliseu | 159.9 |
| **13644** | 41.1 | PA | Dom Eliseu | 40.8 |
| **13648** | 65.2 | PA | Dom Eliseu | 65.2 |
| **13652** | 29.4 | PA | Dom Eliseu | 26.9 |
| **13676** | 88.5 | PA | Dom Eliseu | 83.5 |
| **13689** | 41.3 | PA | Dom Eliseu | 21.6 |
| **13693** | 157.2 | PA | Dom Eliseu | 57.0 |
| **13700** | 100.1 | PA | Dom Eliseu | 21.9 |
| **13701** | 179.4 | PA | Dom Eliseu | 65.6 |
| **13704** | 81.7 | PA | Dom Eliseu | 54.1 |
| **13718** | 78.9 | PA | Dom Eliseu | 15.6 |
| **13746** | 123.8 | PA | Dom Eliseu | 67.4 |
| **13747** | 37.2 | PA | Dom Eliseu | 32.8 |
| **13749** | 40.6 | PA | Dom Eliseu | 8.3 |
| **13793** | 630.0 | PA | Dom Eliseu | 324.1 |

**Table 8.2.** Polygons with non-compliant soy in Pará state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **13796** | 34.1 | PA | Dom Eliseu | 27.1 |
| **13805** | 231.2 | PA | Dom Eliseu | 8.0 |
| **13811** | 27.0 | PA | Dom Eliseu | 26.3 |
| **13816** | 30.7 | PA | Dom Eliseu | 18.7 |
| **13820** | 35.0 | PA | Dom Eliseu | 29.8 |
| **13835** | 34.7 | PA | Dom Eliseu | 1.3 |
| **13848** | 298.1 | PA | Dom Eliseu | 276.3 |
| **13860** | 59.0 | PA | Dom Eliseu | 40.4 |
| **13865** | 155.4 | PA | Dom Eliseu | 2.9 |
| **13867** | 55.9 | PA | Dom Eliseu | 55.9 |
| **13876** | 73.3 | PA | Dom Eliseu | 69.0 |
| **13881** | 28.8 | PA | Dom Eliseu | 24.5 |
| **13912** | 64.0 | PA | Dom Eliseu | 35.7 |
| **13914** | 99.6 | PA | Dom Eliseu | 99.6 |
| **13918** | 401.8 | PA | Dom Eliseu | 1.4 |
| **13919** | 108.6 | PA | Dom Eliseu | 1.2 |
| **13924** | 155.0 | PA | Dom Eliseu | 55.1 |
| **13925** | 66.8 | PA | Dom Eliseu | 30.5 |
| **13927** | 57.4 | PA | Dom Eliseu | 25.3 |
| **13933** | 41.7 | PA | Dom Eliseu | 37.5 |
| **13941** | 128.5 | PA | Dom Eliseu | 114.0 |
| **13943** | 45.7 | PA | Dom Eliseu | 45.7 |
| **13949** | 55.2 | PA | Dom Eliseu | 44.6 |
| **13989** | 656.2 | PA | Dom Eliseu | 313.8 |
| **13997** | 228.3 | PA | Dom Eliseu | 10.1 |
| **13999** | 3,678.5 | PA | Dom Eliseu | 405.6 |
| **14000** | 39.9 | PA | Dom Eliseu | 38.9 |
| **14005** | 40.3 | PA | Dom Eliseu | 19.0 |
| **14006** | 128.7 | PA | Dom Eliseu | 120.8 |
| **14024** | 185.4 | PA | Dom Eliseu | 98.5 |
| **14029** | 111.2 | PA | Dom Eliseu | 97.7 |
| **14055** | 781.1 | PA | Dom Eliseu | 551.8 |
| **14080** | 83.4 | PA | Dom Eliseu | 18.1 |
| **14085** | 621.0 | PA | Dom Eliseu | 230.1 |
| **14111** | 27.2 | PA | Dom Eliseu | 12.9 |
| **14114** | 53.8 | PA | Dom Eliseu | 19.7 |
| **14116** | 52.7 | PA | Dom Eliseu | 5.4 |
| **14123** | 35.4 | PA | Dom Eliseu | 17.1 |
| **14130** | 98.6 | PA | Dom Eliseu | 67.2 |
| **14146** | 40.8 | PA | Dom Eliseu | 32.7 |
| **14164** | 97.8 | PA | Dom Eliseu | 41.8 |

**Table 8.2.** Polygons with non-compliant soy in Pará state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **14165** | 195.6 | PA | Dom Eliseu | 135.9 |
| **14173** | 139.1 | PA | Dom Eliseu | 8.6 |
| **14200** | 26.6 | PA | Dom Eliseu | 10.7 |
| **14205** | 385.5 | PA | Dom Eliseu | 45.7 |
| **14226** | 31.2 | PA | Dom Eliseu | 30.3 |
| **14232** | 43.2 | PA | Dom Eliseu | 31.6 |
| **14239** | 102.4 | PA | Dom Eliseu | 4.6 |
| **14248** | 34.3 | PA | Dom Eliseu | 12.6 |
| **14315** | 909.0 | PA | Dom Eliseu | 468.4 |
| **14360** | 376.1 | PA | Dom Eliseu | 164.5 |
| **14427** | 585.0 | PA | Dom Eliseu | 323.2 |
| **15537** | 29.6 | PA | Ipixuna do Pará | 25.7 |
| **15556** | 66.7 | PA | Ipixuna do Pará | 62.7 |
| **15570** | 38.3 | PA | Ipixuna do Pará | 3.2 |
| **15624** | 52.2 | PA | Ipixuna do Pará | 46.4 |
| **16504** | 43.8 | PA | Moju | 41.5 |
| **16553** | 54.7 | PA | Moju | 19.1 |
| **16564** | 86.7 | PA | Moju | 17.0 |
| **16634** | 29.8 | PA | Moju | 8.3 |
| **16636** | 95.4 | PA | Moju | 14.0 |
| **16641** | 33.3 | PA | Moju | 33.3 |
| **15472** | 103.3 | PA | Mojuí dos Campos | 1.0 |
| **15506** | 25.3 | PA | Mojuí dos Campos | 21.1 |
| **15510** | 38.0 | PA | Mojuí dos Campos | 23.7 |
| **15541** | 25.1 | PA | Mojuí dos Campos | 7.1 |
| **15542** | 52.4 | PA | Mojuí dos Campos | 3.5 |
| **15552** | 47.9 | PA | Mojuí dos Campos | 3.9 |
| **15553** | 35.3 | PA | Mojuí dos Campos | 6.1 |
| **15555** | 58.4 | PA | Mojuí dos Campos | 27.0 |
| **15580** | 40.4 | PA | Mojuí dos Campos | 17.1 |
| **15581** | 34.6 | PA | Mojuí dos Campos | 29.6 |
| **15590** | 157.6 | PA | Mojuí dos Campos | 63.4 |
| **15622** | 27.7 | PA | Mojuí dos Campos | 8.3 |
| **15629** | 30.1 | PA | Mojuí dos Campos | 17.4 |
| **15631** | 25.9 | PA | Mojuí dos Campos | 17.4 |
| **15642** | 25.9 | PA | Mojuí dos Campos | 17.1 |
| **15653** | 39.8 | PA | Mojuí dos Campos | 21.6 |
| **15657** | 65.1 | PA | Mojuí dos Campos | 28.0 |
| **15661** | 34.1 | PA | Mojuí dos Campos | 18.3 |
| **15669** | 36.2 | PA | Mojuí dos Campos | 14.1 |
| **15678** | 41.5 | PA | Mojuí dos Campos | 8.3 |

**Table 8.2.** Polygons with non-compliant soy in Pará state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **15684** | 30.9 | PA | Mojuí dos Campos | 30.9 |
| **15729** | 25.3 | PA | Mojuí dos Campos | 9.2 |
| **15747** | 29.9 | PA | Mojuí dos Campos | 23.7 |
| **15863** | 67.8 | PA | Mojuí dos Campos | 58.8 |
| **15869** | 41.1 | PA | Mojuí dos Campos | 8.8 |
| **15708** | 37.9 | PA | Nova Esperança do Piriá | 12.8 |
| **15712** | 38.5 | PA | Nova Esperança do Piriá | 20.3 |
| **15732** | 37.1 | PA | Nova Esperança do Piriá | 5.6 |
| **15740** | 58.9 | PA | Nova Esperança do Piriá | 11.5 |
| **15788** | 110.6 | PA | Nova Esperança do Piriá | 100.1 |
| **6836** | 35.0 | PA | Novo Progresso | 27.2 |
| **9797** | 39.6 | PA | Novo Progresso | 2.1 |
| **9965** | 195.5 | PA | Novo Progresso | 1.6 |
| **10127** | 65.1 | PA | Novo Progresso | 4.5 |
| **10129** | 52.8 | PA | Novo Progresso | 26.5 |
| **10143** | 138.3 | PA | Novo Progresso | 15.8 |
| **10187** | 31.5 | PA | Novo Progresso | 18.6 |
| **10198** | 27.8 | PA | Novo Progresso | 1.4 |
| **10199** | 133.6 | PA | Novo Progresso | 1.1 |
| **10206** | 44.1 | PA | Novo Progresso | 11.0 |
| **10210** | 33.2 | PA | Novo Progresso | 21.2 |
| **10225** | 42.6 | PA | Novo Progresso | 30.5 |
| **10239** | 153.9 | PA | Novo Progresso | 124.3 |
| **10246** | 819.1 | PA | Novo Progresso | 176.8 |
| **14794** | 34.1 | PA | Paragominas | 34.1 |
| **14796** | 75.3 | PA | Paragominas | 48.4 |
| **14888** | 183.7 | PA | Paragominas | 177.7 |
| **14936** | 91.1 | PA | Paragominas | 91.1 |
| **14943** | 734.0 | PA | Paragominas | 12.4 |
| **14977** | 67.4 | PA | Paragominas | 18.1 |
| **15030** | 27.6 | PA | Paragominas | 27.6 |
| **15057** | 49.7 | PA | Paragominas | 49.7 |
| **15071** | 44.6 | PA | Paragominas | 2.3 |
| **15079** | 150.5 | PA | Paragominas | 129.3 |
| **15086** | 83.7 | PA | Paragominas | 77.7 |
| **15091** | 438.8 | PA | Paragominas | 368.1 |
| **15120** | 123.9 | PA | Paragominas | 112.7 |
| **15131** | 115.3 | PA | Paragominas | 76.5 |
| **15138** | 53.4 | PA | Paragominas | 34.4 |
| **15141** | 44.2 | PA | Paragominas | 44.2 |
| **15161** | 1,767.6 | PA | Paragominas | 1,543.2 |

**Table 8.2.** Polygons with non-compliant soy in Pará state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **15168** | 115.2 | PA | Paragominas | 81.1 |
| **15197** | 25.1 | PA | Paragominas | 21.6 |
| **15206** | 242.7 | PA | Paragominas | 116.5 |
| **15224** | 38.6 | PA | Paragominas | 6.8 |
| **15262** | 559.7 | PA | Paragominas | 141.4 |
| **15283** | 33.1 | PA | Paragominas | 3.8 |
| **15293** | 120.4 | PA | Paragominas | 11.3 |
| **15314** | 74.6 | PA | Paragominas | 66.6 |
| **15320** | 84.2 | PA | Paragominas | 63.1 |
| **15323** | 645.6 | PA | Paragominas | 144.9 |
| **15344** | 667.7 | PA | Paragominas | 102.2 |
| **15356** | 922.8 | PA | Paragominas | 2.9 |
| **15375** | 52.3 | PA | Paragominas | 37.4 |
| **15409** | 78.5 | PA | Paragominas | 42.0 |
| **15434** | 27.7 | PA | Paragominas | 16.8 |
| **15438** | 169.2 | PA | Paragominas | 89.8 |
| **15479** | 29.7 | PA | Paragominas | 29.7 |
| **15492** | 153.1 | PA | Paragominas | 141.4 |
| **15538** | 133.2 | PA | Paragominas | 59.8 |
| **15573** | 100.3 | PA | Paragominas | 54.7 |
| **15687** | 62.6 | PA | Paragominas | 57.9 |
| **13316** | 90.0 | PA | Rondon do Pará | 70.4 |
| **13337** | 318.8 | PA | Rondon do Pará | 183.5 |
| **13369** | 30.7 | PA | Rondon do Pará | 17.8 |
| **13381** | 25.2 | PA | Rondon do Pará | 2.7 |
| **13382** | 58.0 | PA | Rondon do Pará | 2.8 |
| **13395** | 35.0 | PA | Rondon do Pará | 4.8 |
| **13410** | 88.2 | PA | Rondon do Pará | 1.3 |
| **13411** | 27.0 | PA | Rondon do Pará | 6.8 |
| **13427** | 79.0 | PA | Rondon do Pará | 64.0 |
| **13433** | 40.3 | PA | Rondon do Pará | 13.0 |
| **13469** | 29.7 | PA | Rondon do Pará | 10.5 |
| **13473** | 30.8 | PA | Rondon do Pará | 28.2 |
| **13508** | 139.6 | PA | Rondon do Pará | 114.5 |
| **13548** | 78.5 | PA | Rondon do Pará | 21.8 |
| **13592** | 27.1 | PA | Rondon do Pará | 27.1 |
| **13599** | 43.7 | PA | Rondon do Pará | 35.6 |
| **13625** | 57.0 | PA | Rondon do Pará | 35.0 |
| **13630** | 827.6 | PA | Rondon do Pará | 784.8 |
| **13654** | 33.0 | PA | Rondon do Pará | 33.0 |
| **13665** | 399.9 | PA | Rondon do Pará | 317.3 |

**Table 8.2.** Polygons with non-compliant soy in Pará state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **13671** | 464.6 | PA | Rondon do Pará | 250.6 |
| **13709** | 54.4 | PA | Rondon do Pará | 1.9 |
| **13826** | 98.0 | PA | Rondon do Pará | 15.3 |
| **13830** | 270.1 | PA | Rondon do Pará | 90.4 |
| **13836** | 89.8 | PA | Rondon do Pará | 17.9 |
| **13843** | 112.6 | PA | Rondon do Pará | 50.3 |
| **13920** | 304.0 | PA | Rondon do Pará | 23.1 |
| **13953** | 463.6 | PA | Rondon do Pará | 241.6 |
| **13961** | 69.7 | PA | Rondon do Pará | 41.3 |
| **13999** | 3,678.5 | PA | Rondon do Pará | 693.7 |
| **5736** | 44.3 | PA | Santana do Araguaia | 13.7 |
| **7238** | 109.5 | PA | Santana do Araguaia | 1.4 |
| **7277** | 49.0 | PA | Santana do Araguaia | 42.6 |
| **7732** | 76.7 | PA | Santana do Araguaia | 30.0 |
| **8087** | 28.2 | PA | Santana do Araguaia | 14.3 |
| **8221** | 142.6 | PA | Santana do Araguaia | 117.5 |
| **8366** | 31.9 | PA | Santana do Araguaia | 23.5 |
| **8396** | 515.0 | PA | Santana do Araguaia | 198.5 |
| **15638** | 59.8 | PA | Santarém | 0.7 |
| **15710** | 54.6 | PA | Santarém | 45.6 |
| **15765** | 51.7 | PA | Santarém | 47.4 |
| **15802** | 35.8 | PA | Santarém | 23.3 |
| **15812** | 121.7 | PA | Santarém | 12.8 |
| **15869** | 41.1 | PA | Santarém | 0.6 |
| **7380** | 37.5 | PA | São Félix do Xingu | 5.1 |
| **14931** | 81.4 | PA | Tailândia | 66.8 |
| **15174** | 32.9 | PA | Tailândia | 23.5 |
| **15211** | 105.8 | PA | Tailândia | 9.1 |
| **15319** | 37.7 | PA | Tailândia | 28.3 |
| **15337** | 32.1 | PA | Tailândia | 5.9 |
| **14234** | 62.6 | PA | Ulianópolis | 5.2 |
| **14282** | 36.6 | PA | Ulianópolis | 4.1 |
| **14362** | 26.5 | PA | Ulianópolis | 16.7 |
| **14367** | 115.5 | PA | Ulianópolis | 37.4 |
| **14374** | 89.5 | PA | Ulianópolis | 31.1 |
| **14392** | 86.2 | PA | Ulianópolis | 66.7 |
| **14403** | 79.9 | PA | Ulianópolis | 19.3 |
| **14414** | 31.0 | PA | Ulianópolis | 31.0 |
| **14430** | 142.4 | PA | Ulianópolis | 18.0 |
| **14443** | 369.9 | PA | Ulianópolis | 210.8 |
| **14479** | 101.7 | PA | Ulianópolis | 77.9 |

**Table 8.2.** Polygons with non-compliant soy in Pará state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **14487** | 95.8 | PA | Ulianópolis | 78.9 |
| **14492** | 311.1 | PA | Ulianópolis | 261.7 |
| **14496** | 135.0 | PA | Ulianópolis | 91.0 |
| **14510** | 156.9 | PA | Ulianópolis | 5.6 |
| **14511** | 1,362.9 | PA | Ulianópolis | 455.3 |
| **14705** | 302.9 | PA | Ulianópolis | 0.6 |
| **14715** | 165.7 | PA | Ulianópolis | 52.9 |
| **14724** | 1,798.7 | PA | Ulianópolis | 960.5 |
| **14725** | 38.1 | PA | Ulianópolis | 36.3 |
| **14739** | 75.8 | PA | Ulianópolis | 69.4 |
| **14742** | 33.2 | PA | Ulianópolis | 18.7 |
| **14751** | 148.8 | PA | Ulianópolis | 141.9 |
| **14752** | 57.2 | PA | Ulianópolis | 55.7 |
| **14759** | 1,615.6 | PA | Ulianópolis | 76.2 |
| **14770** | 57.5 | PA | Ulianópolis | 33.2 |
| **TOTAL FOR PARÁ STATE** | | | | **19,034.0** |

**Table 8.2.** Polygons with non-compliant soy in Pará state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **5314** | 37.7 | RO | Alto Paraíso | 4.0 |
| **5448** | 63.4 | RO | Alto Paraíso | 51.1 |
| **5476** | 55.2 | RO | Alto Paraíso | 42.1 |
| **5506** | 31.8 | RO | Alto Paraíso | 19.6 |
| **5729** | 79.0 | RO | Alto Paraíso | 20.2 |
| **5888** | 74.8 | RO | Alto Paraíso | 32.9 |
| **5915** | 34.0 | RO | Alto Paraíso | 17.2 |
| **5942** | 93.4 | RO | Alto Paraíso | 19.7 |
| **6046** | 30.8 | RO | Alto Paraíso | 2.8 |
| **6150** | 126.0 | RO | Alto Paraíso | 4.8 |
| **6171** | 60.5 | RO | Alto Paraíso | 41.3 |
| **6323** | 26.9 | RO | Alto Paraíso | 10.2 |
| **6378** | 152.7 | RO | Alto Paraíso | 25.4 |
| **6440** | 118.5 | RO | Alto Paraíso | 72.1 |
| **6551** | 36.4 | RO | Alto Paraíso | 2.8 |
| **6552** | 56.2 | RO | Alto Paraíso | 0.9 |
| **6627** | 119.3 | RO | Alto Paraíso | 110.8 |
| **6628** | 61.5 | RO | Alto Paraíso | 2.6 |
| **6629** | 94.2 | RO | Alto Paraíso | 3.6 |
| **6821** | 130.7 | RO | Alto Paraíso | 3.5 |

**Table 8.3.** Polygons with non-compliant soy in Rondônia state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **6900** | 134.8 | RO | Alto Paraíso | 33.8 |
| **4586** | 27.7 | RO | Ariquemes | 3.5 |
| **5006** | 41.7 | RO | Ariquemes | 41.7 |
| **5061** | 31.7 | RO | Ariquemes | 26.3 |
| **5217** | 34.7 | RO | Ariquemes | 21.8 |
| **355** | 106.0 | RO | Cabixi | 97.7 |
| **368** | 26.7 | RO | Cabixi | 8.3 |
| **395** | 41.5 | RO | Cabixi | 30.6 |
| **417** | 209.8 | RO | Cabixi | 144.9 |
| **423** | 37.4 | RO | Cabixi | 33.8 |
| **425** | 353.7 | RO | Cabixi | 184.2 |
| **429** | 63.1 | RO | Cabixi | 54.0 |
| **442** | 104.4 | RO | Cabixi | 5.9 |
| **455** | 63.1 | RO | Cabixi | 31.2 |
| **479** | 27.9 | RO | Cabixi | 6.4 |
| **481** | 65.5 | RO | Cabixi | 0.3 |
| **7262** | 113.6 | RO | Candeias do Jamari | 61.1 |
| **7286** | 252.4 | RO | Candeias do Jamari | 5.8 |
| **7347** | 31.2 | RO | Candeias do Jamari | 20.7 |
| **7570** | 58.9 | RO | Candeias do Jamari | 43.9 |
| **7627** | 268.5 | RO | Candeias do Jamari | 86.4 |
| **7681** | 211.2 | RO | Candeias do Jamari | 185.2 |
| **7795** | 54.8 | RO | Candeias do Jamari | 25.8 |
| **8036** | 67.2 | RO | Candeias do Jamari | 10.7 |
| **8434** | 383.5 | RO | Candeias do Jamari | 156.4 |
| **514** | 95.0 | RO | Cerejeiras | 16.6 |
| **527** | 52.7 | RO | Cerejeiras | 52.1 |
| **537** | 26.5 | RO | Cerejeiras | 18.6 |
| **555** | 25.2 | RO | Cerejeiras | 23.6 |
| **573** | 61.6 | RO | Cerejeiras | 55.0 |
| **577** | 67.0 | RO | Cerejeiras | 52.9 |
| **578** | 42.7 | RO | Cerejeiras | 31.9 |
| **579** | 38.2 | RO | Cerejeiras | 24.1 |
| **580** | 27.9 | RO | Cerejeiras | 25.0 |
| **607** | 48.7 | RO | Cerejeiras | 41.3 |
| **608** | 74.6 | RO | Cerejeiras | 68.2 |
| **611** | 28.5 | RO | Cerejeiras | 24.2 |
| **657** | 35.1 | RO | Cerejeiras | 28.6 |
| **1335** | 36.2 | RO | Chupinguaia | 36.0 |
| **685** | 30.8 | RO | Corumbiara | 18.9 |
| **754** | 35.3 | RO | Corumbiara | 33.9 |

**Table 8.3.** Polygons with non-compliant soy in Rondônia state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **819** | 83.2 | RO | Corumbiara | 79.0 |
| **6743** | 121.2 | RO | Cujubim | 19.1 |
| **6744** | 34.8 | RO | Cujubim | 0.8 |
| **7476** | 115.2 | RO | Cujubim | 1.4 |
| **7486** | 73.6 | RO | Cujubim | 19.3 |
| **7998** | 932.9 | RO | Cujubim | 5.0 |
| **8113** | 34,680.0 | RO | Cujubim | 36.3 |
| **7239** | 137.3 | RO | Itapuã do Oeste | 21.5 |
| **7299** | 69.5 | RO | Itapuã do Oeste | 33.2 |
| **7353** | 223.4 | RO | Itapuã do Oeste | 51.1 |
| **7709** | 51.9 | RO | Itapuã do Oeste | 6.0 |
| **7733** | 74.2 | RO | Itapuã do Oeste | 14.6 |
| **371** | 39.9 | RO | Pimenteiras do Oeste | 37.1 |
| **401** | 60.7 | RO | Pimenteiras do Oeste | 31.2 |
| **466** | 50.2 | RO | Pimenteiras do Oeste | 42.6 |
| **476** | 108.2 | RO | Pimenteiras do Oeste | 16.8 |
| **481** | 65.5 | RO | Pimenteiras do Oeste | 58.8 |
| **505** | 388.6 | RO | Pimenteiras do Oeste | 358.6 |
| **507** | 151.1 | RO | Pimenteiras do Oeste | 138.1 |
| **516** | 899.5 | RO | Pimenteiras do Oeste | 879.5 |
| **529** | 35.7 | RO | Pimenteiras do Oeste | 34.5 |
| **5507** | 219.9 | RO | Porto Velho | 55.5 |
| **6437** | 273.1 | RO | Porto Velho | 267.7 |
| **7770** | 34.7 | RO | Porto Velho | 29.6 |
| **7900** | 84.5 | RO | Porto Velho | 78.9 |
| **5659** | 25.4 | RO | Rio Crespo | 10.1 |
| **5949** | 49.1 | RO | Rio Crespo | 18.4 |
| **5962** | 47.1 | RO | Rio Crespo | 1.7 |
| **6176** | 40.4 | RO | Rio Crespo | 26.7 |
| **6198** | 35.5 | RO | Rio Crespo | 12.9 |
| **6203** | 26.2 | RO | Rio Crespo | 4.3 |
| **6209** | 27.4 | RO | Rio Crespo | 24.6 |
| **6303** | 54.6 | RO | Rio Crespo | 48.1 |
| **6344** | 27.4 | RO | Rio Crespo | 19.9 |
| **6355** | 36.7 | RO | Rio Crespo | 33.9 |
| **6390** | 46.5 | RO | Rio Crespo | 22.0 |
| **6401** | 67.1 | RO | Rio Crespo | 59.4 |
| **6475** | 47.1 | RO | Rio Crespo | 2.1 |
| **6476** | 41.1 | RO | Rio Crespo | 26.0 |
| **6580** | 117.3 | RO | Rio Crespo | 56.1 |
| **1847** | 37.6 | RO | São Miguel do Guaporé | 21.3 |

**Table 8.3.** Polygons with non-compliant soy in Rondônia state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 1855 | 249.5 | RO | São Miguel do Guaporé | 63.2 |
| 1870 | 644.5 | RO | São Miguel do Guaporé | 65.7 |
| 1874 | 55.0 | RO | São Miguel do Guaporé | 44.4 |
| 1878 | 90.4 | RO | São Miguel do Guaporé | 3.2 |
| 2031 | 502.2 | RO | São Miguel do Guaporé | 153.2 |
| 2046 | 33.7 | RO | São Miguel do Guaporé | 29.4 |
| 2340 | 25.2 | RO | São Miguel do Guaporé | 7.6 |
| 2359 | 89.0 | RO | São Miguel do Guaporé | 10.4 |
| 2367 | 55.8 | RO | São Miguel do Guaporé | 6.8 |
| 2406 | 34.9 | RO | São Miguel do Guaporé | 16.2 |
| 926 | 202.9 | RO | Vilhena | 117.0 |
| 928 | 30.5 | RO | Vilhena | 7.1 |
| 930 | 109.8 | RO | Vilhena | 6.0 |
| 958 | 443.4 | RO | Vilhena | 8.2 |
| 1107 | 49.1 | RO | Vilhena | 12.1 |
| 1140 | 34.5 | RO | Vilhena | 15.2 |
| 1191 | 57.1 | RO | Vilhena | 55.4 |
| 1224 | 46.2 | RO | Vilhena | 44.3 |
| TOTAL FOR RONDÔNIA STATE | | | | 5,728.0 |

**Table 8.3.** Polygons with non-compliant soy in Rondônia state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 13291 | 72.8 | MA | Açailândia | 27.2 |
| 13293 | 60.5 | MA | Açailândia | 59.4 |
| 13297 | 46.1 | MA | Açailândia | 40.9 |
| 13298 | 58.6 | MA | Açailândia | 45.4 |
| 13353 | 45.5 | MA | Açailândia | 36.2 |
| 13356 | 30.9 | MA | Açailândia | 26.4 |
| 13361 | 302.0 | MA | Açailândia | 279.7 |
| 13368 | 93.3 | MA | Açailândia | 64.9 |
| 13372 | 383.4 | MA | Açailândia | 275.1 |
| 13378 | 43.1 | MA | Açailândia | 38.8 |
| 13384 | 162.8 | MA | Açailândia | 117.3 |
| 13388 | 598.5 | MA | Açailândia | 140.8 |
| 13392 | 27.3 | MA | Açailândia | 27.3 |
| 13398 | 45.8 | MA | Açailândia | 28.0 |
| 13406 | 28.5 | MA | Açailândia | 3.1 |
| 13418 | 356.1 | MA | Açailândia | 205.5 |
| 13426 | 29.5 | MA | Açailândia | 21.1 |

**Table 8.4.** Polygons with non-compliant soy in Maranhão state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **13454** | 39.8 | MA | Açailândia | 35.2 |
| **13482** | 266.1 | MA | Açailândia | 0.8 |
| **13492** | 63.3 | MA | Açailândia | 1.9 |
| **13505** | 56.7 | MA | Açailândia | 40.4 |
| **13511** | 122.5 | MA | Açailândia | 97.1 |
| **13517** | 98.7 | MA | Açailândia | 5.9 |
| **13540** | 67.1 | MA | Açailândia | 51.7 |
| **13542** | 45.9 | MA | Açailândia | 38.1 |
| **13581** | 122.2 | MA | Açailândia | 7.3 |
| **13621** | 950.2 | MA | Açailândia | 27.8 |
| **13653** | 29.2 | MA | Açailândia | 24.1 |
| **13659** | 193.0 | MA | Açailândia | 187.2 |
| **13688** | 93.4 | MA | Açailândia | 88.6 |
| **13694** | 111.3 | MA | Açailândia | 8.7 |
| **13710** | 83.2 | MA | Açailândia | 47.5 |
| **13724** | 32.4 | MA | Açailândia | 13.0 |
| **13731** | 68.7 | MA | Açailândia | 9.3 |
| **13733** | 32.3 | MA | Açailândia | 22.4 |
| **13734** | 28.6 | MA | Açailândia | 19.6 |
| **13748** | 43.3 | MA | Açailândia | 1.8 |
| **13754** | 183.3 | MA | Açailândia | 62.6 |
| **13755** | 26.8 | MA | Açailândia | 13.3 |
| **13859** | 52.7 | MA | Bom Jardim | 49.0 |
| **13883** | 130.0 | MA | Bom Jardim | 101.0 |
| **14025** | 343.2 | MA | Bom Jardim | 75.7 |
| **14159** | 249.9 | MA | Bom Jardim | 71.1 |
| **14221** | 42.2 | MA | Bom Jardim | 38.7 |
| **14266** | 585.5 | MA | Bom Jardim | 6.0 |
| **13389** | 45.1 | MA | Buriticupu | 37.4 |
| **13394** | 49.1 | MA | Buriticupu | 49.1 |
| **13405** | 29.0 | MA | Buriticupu | 29.0 |
| **13420** | 107.5 | MA | Buriticupu | 43.5 |
| **13439** | 510.4 | MA | Buriticupu | 475.7 |
| **13447** | 226.1 | MA | Buriticupu | 147.0 |
| **13463** | 107.9 | MA | Buriticupu | 60.7 |
| **13558** | 27.7 | MA | Buriticupu | 27.0 |
| **13563** | 93.9 | MA | Buriticupu | 93.1 |
| **13591** | 33.2 | MA | Buriticupu | 33.2 |
| **13607** | 33.5 | MA | Buriticupu | 5.3 |
| **13610** | 29.4 | MA | Buriticupu | 23.3 |
| **13623** | 344.6 | MA | Buriticupu | 25.3 |

**Table 8.4.** Polygons with non-compliant soy in Maranhão state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| **13627** | 189.1 | MA | Buriticupu | 52.0 |
| **13633** | 61.2 | MA | Buriticupu | 15.7 |
| **13636** | 30.4 | MA | Buriticupu | 30.4 |
| **13640** | 51.1 | MA | Buriticupu | 46.5 |
| **13660** | 32.9 | MA | Buriticupu | 22.5 |
| **13670** | 69.7 | MA | Buriticupu | 68.1 |
| **13675** | 29.3 | MA | Buriticupu | 16.9 |
| **13697** | 26.6 | MA | Buriticupu | 24.2 |
| **13714** | 124.9 | MA | Buriticupu | 43.9 |
| **13309** | 82.9 | MA | Cidelândia | 71.7 |
| **13329** | 41.7 | MA | Cidelândia | 13.5 |
| **13335** | 25.4 | MA | Cidelândia | 24.8 |
| **13352** | 318.0 | MA | Cidelândia | 213.8 |
| **13695** | 69.3 | MA | Itinga do Maranhão | 54.4 |
| **13730** | 680.6 | MA | Itinga do Maranhão | 514.1 |
| **13731** | 68.7 | MA | Itinga do Maranhão | 35.0 |
| **13851** | 119.2 | MA | Itinga do Maranhão | 110.7 |
| **13879** | 56.4 | MA | Itinga do Maranhão | 17.6 |
| **13900** | 45.9 | MA | Itinga do Maranhão | 44.0 |
| **13905** | 59.1 | MA | Itinga do Maranhão | 50.3 |
| **13921** | 41.8 | MA | Itinga do Maranhão | 14.6 |
| **13928** | 74.9 | MA | Itinga do Maranhão | 66.5 |
| **13938** | 53.6 | MA | Itinga do Maranhão | 36.4 |
| **14015** | 25.5 | MA | Itinga do Maranhão | 19.5 |
| **14019** | 685.1 | MA | Itinga do Maranhão | 25.8 |
| **14027** | 25.6 | MA | Itinga do Maranhão | 3.4 |
| **14052** | 88.7 | MA | Itinga do Maranhão | 50.7 |
| **14091** | 100.0 | MA | Itinga do Maranhão | 0.9 |
| **14204** | 1,238.5 | MA | Itinga do Maranhão | 629.0 |
| **14266** | 585.5 | MA | Itinga do Maranhão | 269.7 |
| **14277** | 91.3 | MA | Itinga do Maranhão | 37.4 |
| **13759** | 48.7 | MA | Santa Luzia | 6.9 |
| **13768** | 37.6 | MA | Santa Luzia | 7.3 |
| **13780** | 31.0 | MA | Santa Luzia | 31.0 |
| **13784** | 33.7 | MA | Santa Luzia | 20.8 |
| **13819** | 82.4 | MA | Santa Luzia | 72.6 |
| **TOTAL FOR MARANHÃO STATE** | | | | **6,395.4** |

**Table 8.4.** Polygons with non-compliant soy in Maranhão state

| ID | Area of Polygon (ha) | State | Municipality | Soy Area (ha) |
|---|---|---|---|---|
| 16357 | 39.5 | RR | Alto Alegre | 5.1 |
| 16275 | 86.3 | RR | Bonfim | 32.4 |
| TOTAL FOR RORAIMA STATE | | | | 37.5 |

**Table 8.5.** Polygons with non-compliant soy in Roraima state

# 9. Signatories

## Associations

ABIOVE

ANEC

## Companies

ADM Unlocking Nature. Enriching Life.

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AGRIBRASIL

AMAGGI

Agrícola ALVORADA

BUNGE

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CJ Selecta

CJ INTERNATIONAL BRAZIL

CUTRALE TRADING

Engelhart powered by BTG Pactual

FIAGRIL

GAVILON

## Companies








## Civil Societies







## Government


# SOY MORATORIUM

## Monitoring Soy in the Amazon Biome through Satellite Images

CROP YEAR 2020/21

ABIOVE
Associação Brasileira das Indústrias de Óleos Vegetais

GTS

INPE

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