

8th June 2021

CERRADO SOY DYNAMICS WITH FOCUS ON THE 61 PRIORITY MUNICIPALITIES UPDATED FOR CROP YEAR 2019/20 vs. PRODES 2014-2019

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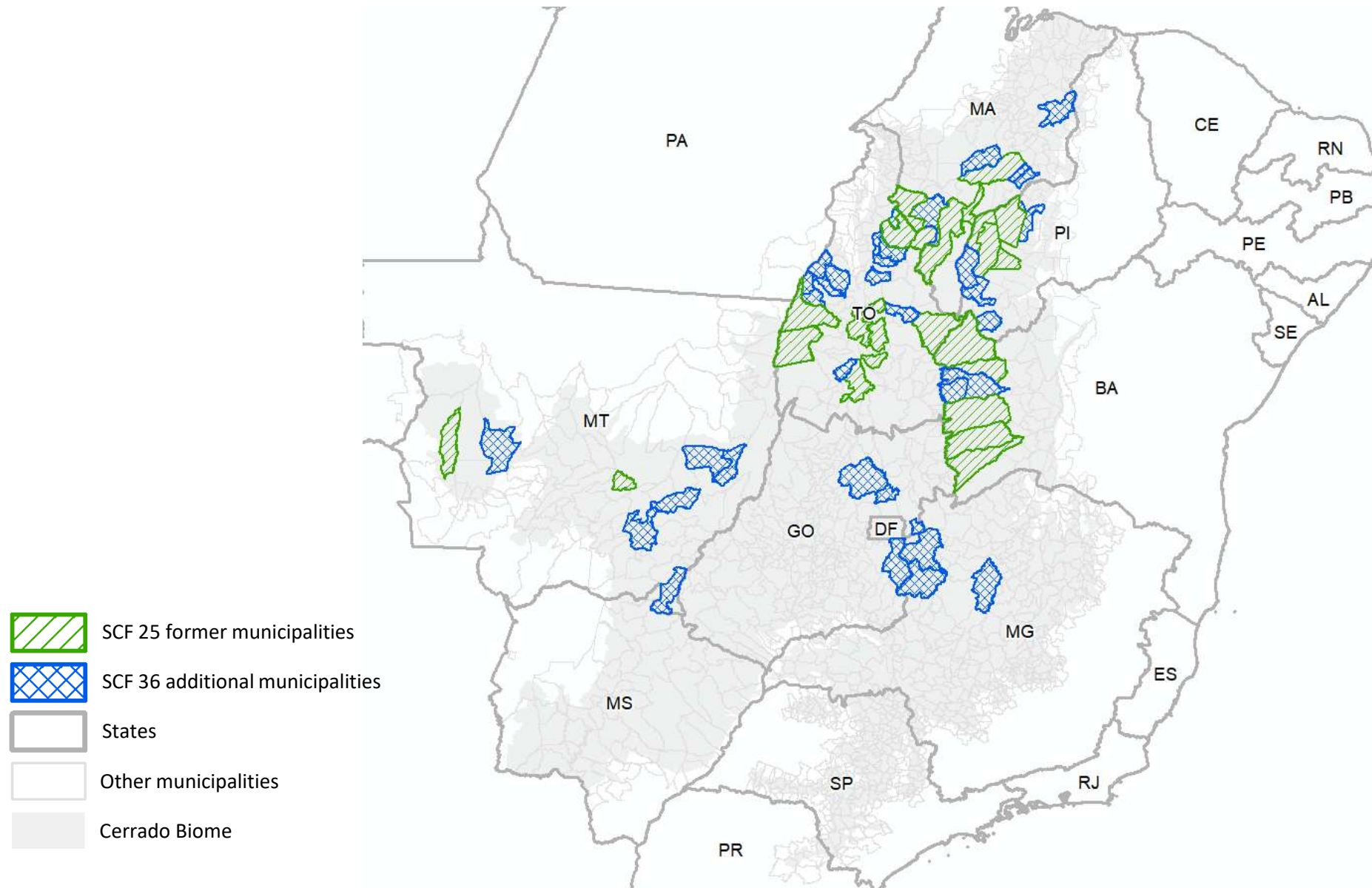
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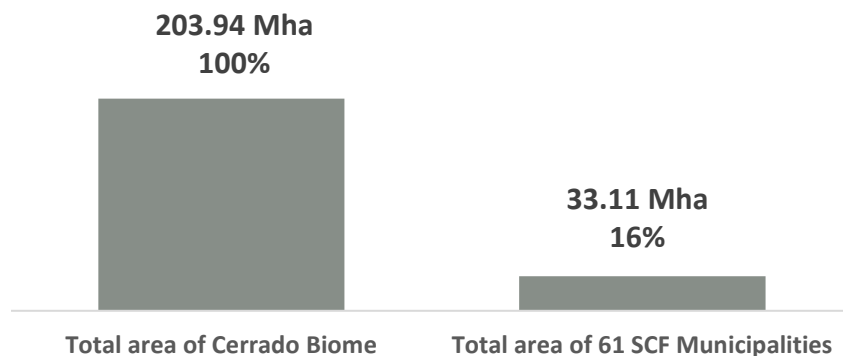
STUDY AREA | 61 Municipalities (25 + 36)



SUMMARY OF THE RESULTS | 2019/20

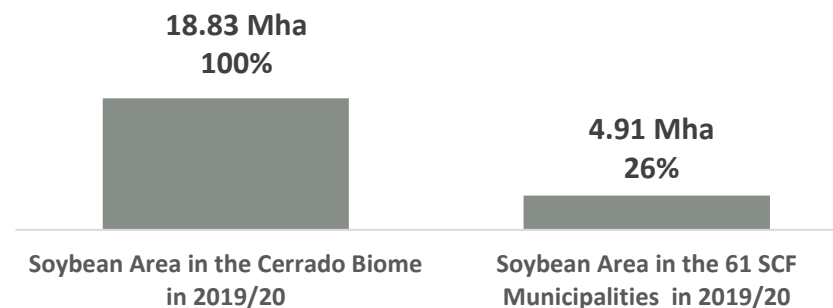
a) Study Area

The territory of the Cerrado biome is 203.94 million hectares, while the area occupied by the 61 SCF municipalities is 33.11 million hectares corresponding 16% of the biome



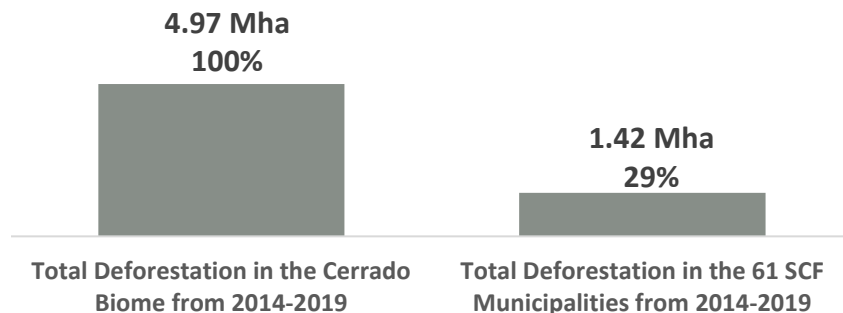
b) Soy in crop year 2019/20

The soy planted area in the Cerrado in crop year 2019/20 was 18.83 million hectares, with 4.91 million hectares of soy (26%) planted in the 61 SCF municipalities



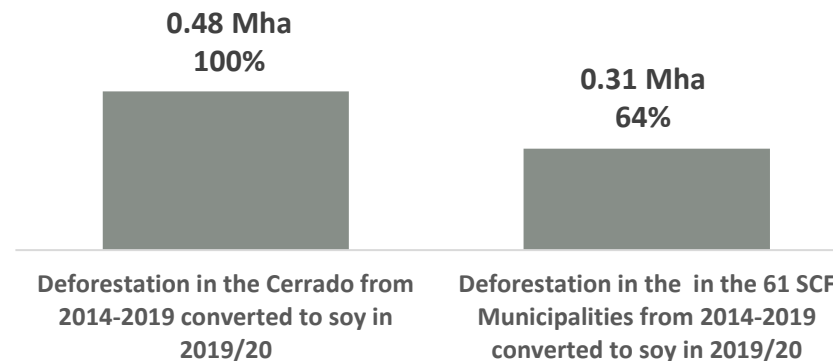
c) Deforestation (PRODES 2014-2019)

In the Cerrado biome the total deforestation, from 2014 to 2019, was 4.97 million hectares, while in the 61 SCF municipalities it was 1.42 million hectares (29% of Cerrado's deforestation) during the same period



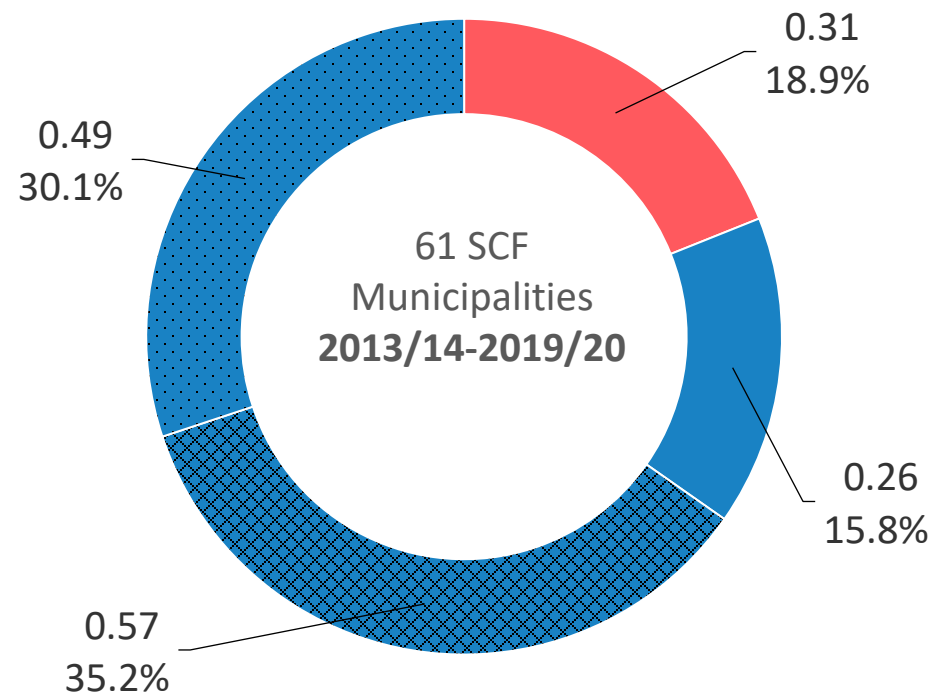
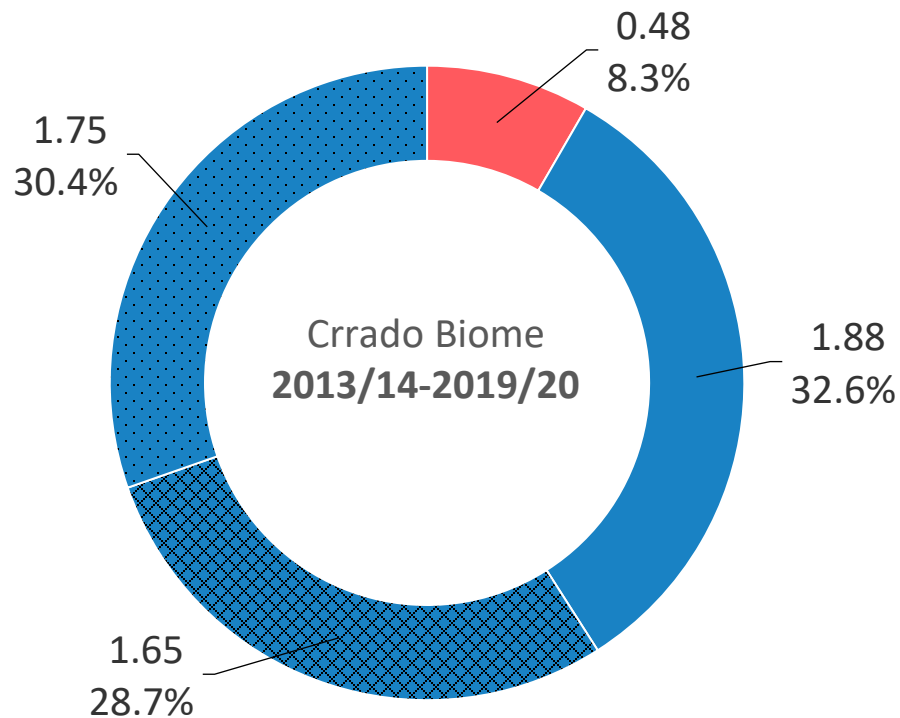
d) Deforestation (PRODES 2014-2019) converted to soy

The amount of soy in crop year 2019/20 on top of the deforestation observed from 2014 to 2019 was 0.48 million hectares in the Cerrado and 0.31 million hectares in the 61 SCF municipalities (64% of Cerrado's native vegetation conversion to soy). From 2006/07 to 2013/14, NVC rate to soy was 0.19 Mha/yr, while from 2013/14 to 2019/20 it decreased to 0.08 Mha/yr in the Cerrado.



SOYBEAN EXPANSION ON LAND OTHER THAN SOY | From 2013/14 to 2019/20

Area (Mha)



- Soy Expansion without deforestation - on pasture
- Soy Expansion without deforestation - on corn, cotton or sugarcane
- Soy Expansion without deforestation - on follow and other Uses
- Soy Expansion with deforestation

Soybean expansion from crop years 2013/14 to 2019/20 and associated land use changes

Cerrado Biome

2013/14

2019/20

15.60 Mha

18.83 Mha

Soy

Soy

Pasture

1.88 Mha

Corn, cotton or
sugarcane

1.65 Mha

Fallow or other
uses

1.75 Mha

Native Vegetation
PRODES

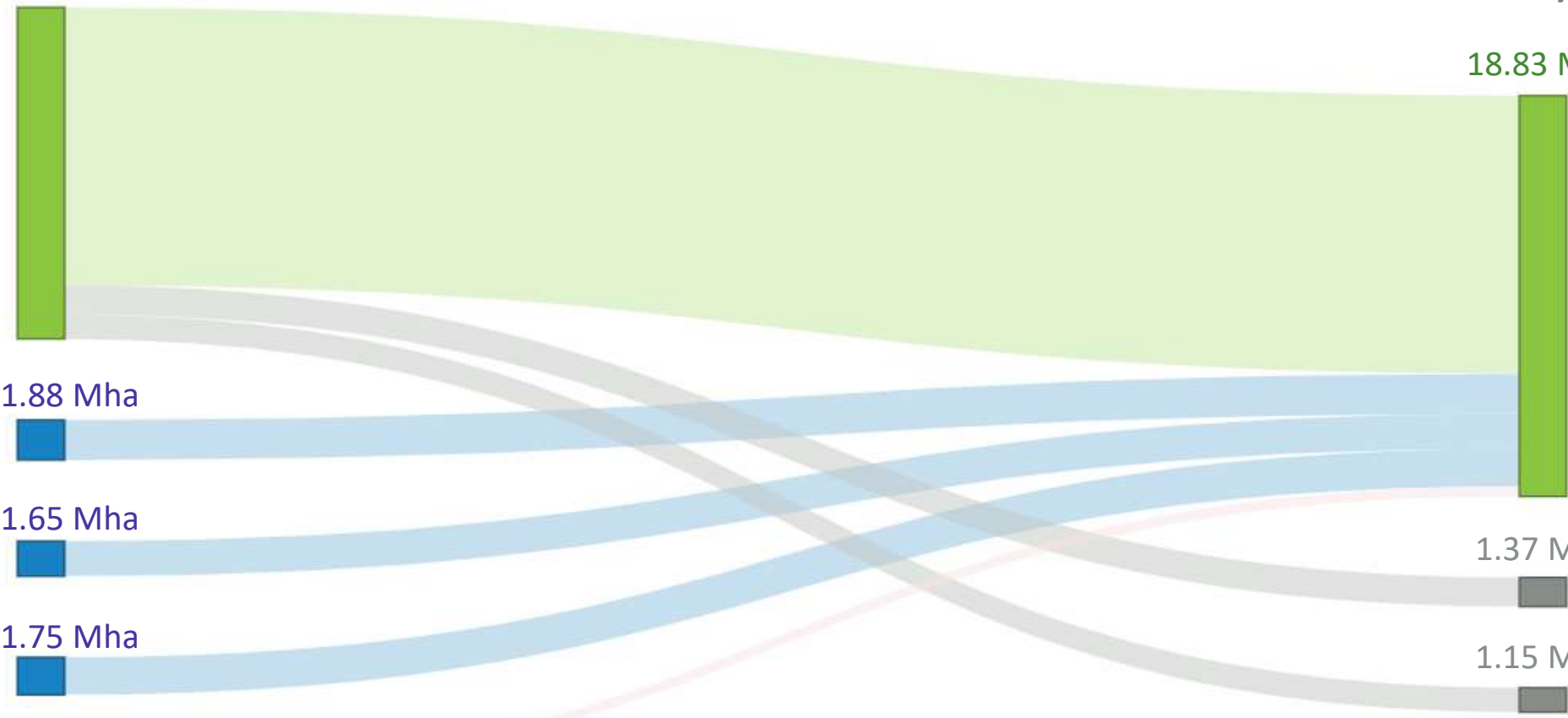
0.48 Mha

1.37 Mha

Fallow or
other uses

1.15 Mha

Corn, cotton
or sugarcane



Soybean expansion from crop years 2013/14 to 2019/20 and associated land use changes

Cerrado Biome without 61 SCF municipalities

2013/14

2019/20

11.56 Mha

13.93 Mha

Soy

Soy

Pasture

Corn, cotton or
sugarcane

Fallow or other
uses

Native Vegetation
PRODES

1.62 Mha

1.08 Mha

1.27 Mha

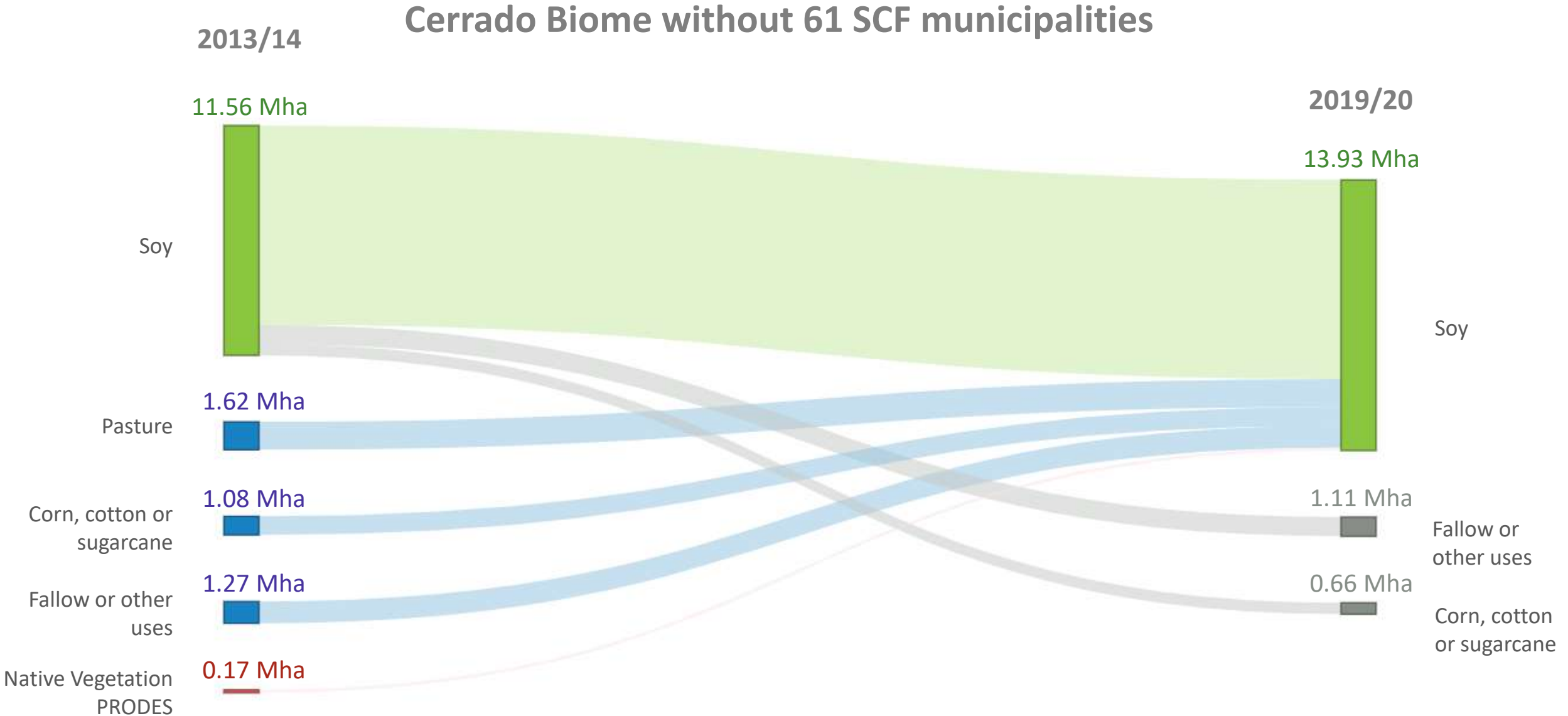
0.17 Mha

1.11 Mha

0.66 Mha

Fallow or
other uses

Corn, cotton
or sugarcane



Soybean expansion from crop years 2013/14 to 2019/20 and associated land use changes

61 SCF municipalities

2013/14

2019/20

4.04 Mha

4.91 Mha

Soy

Soy 2019/20

Corn, cotton or sugarcane

Fallow or other uses

Native Vegetation PRODES

Pasture

0.49 Mha

Corn, cotton or sugarcane

0.26 Mha

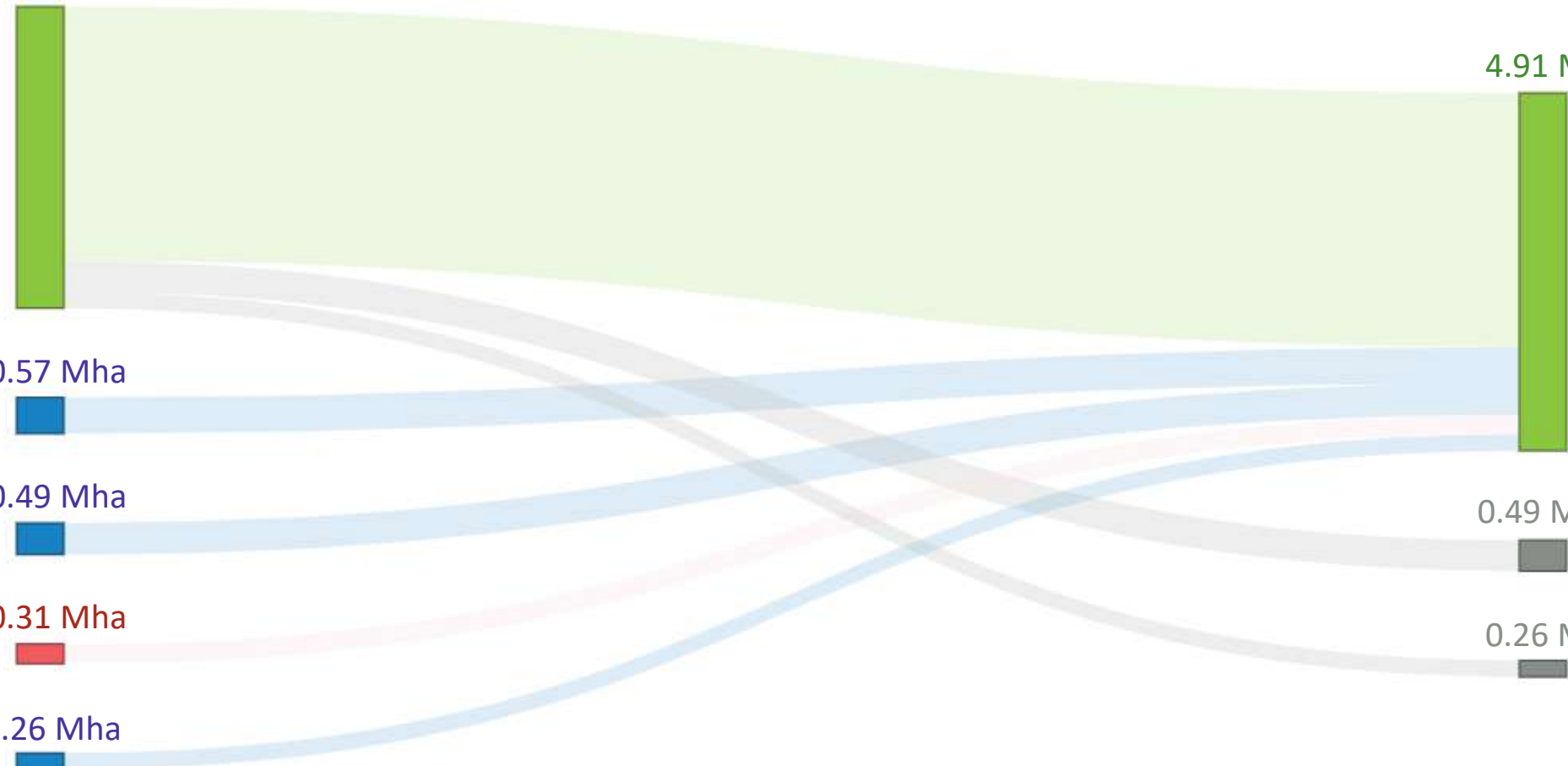
Fallow or other uses

0.57 Mha

0.49 Mha

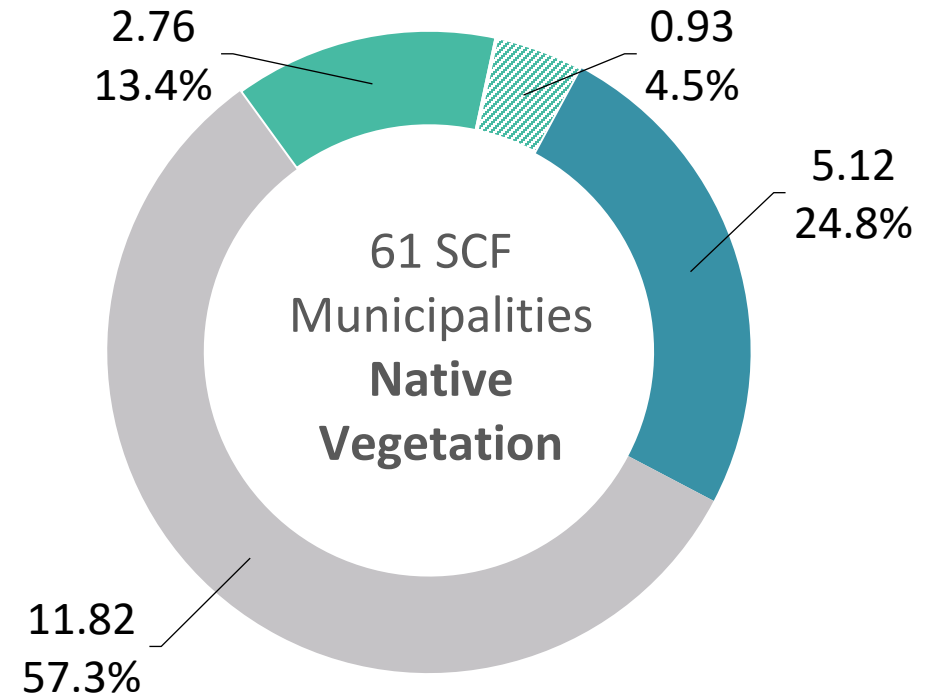
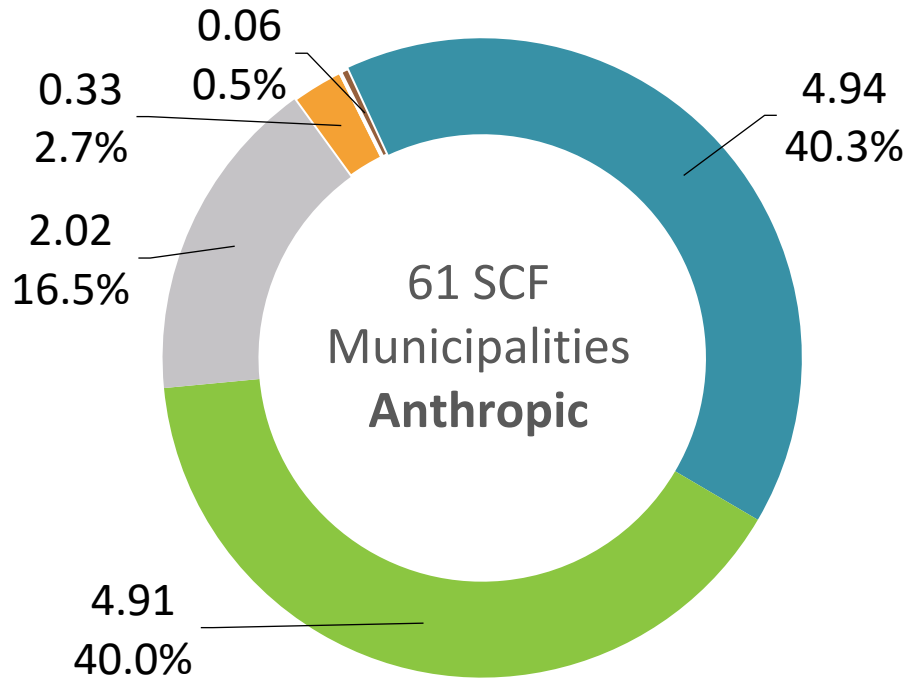
0.31 Mha

0.26 Mha



AGRICULTURAL APTITUDE FOR SOY EXPANSION IN SCF MUNICIPALITIES

Area (Mha)



Native Vegetation: With aptitude in TI, UC (exception APA) and Q - not available

Native Vegetation: With aptitude in APP and RL - not available

Anthropic: With aptitude in APP and RL - to recover

Anthropic: With aptitude in TI, UC (exception APA) and Q - residual areas

With aptitude - available

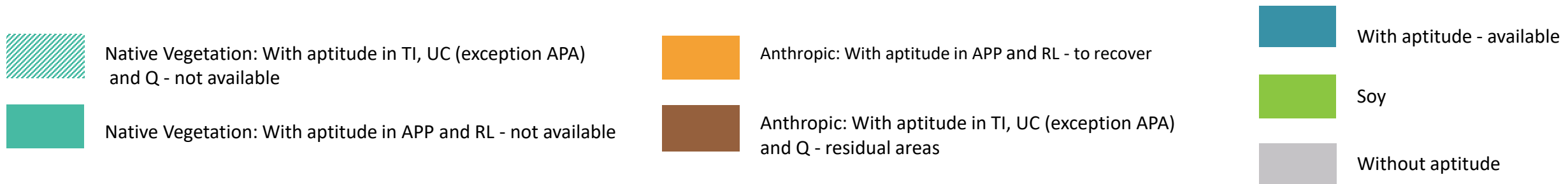
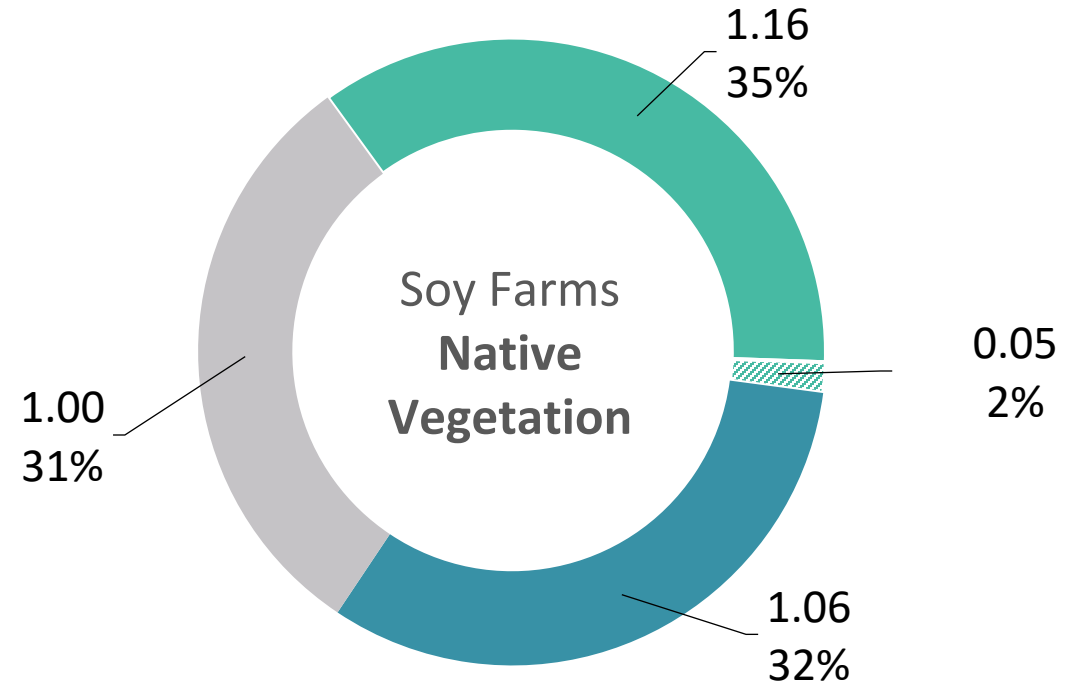
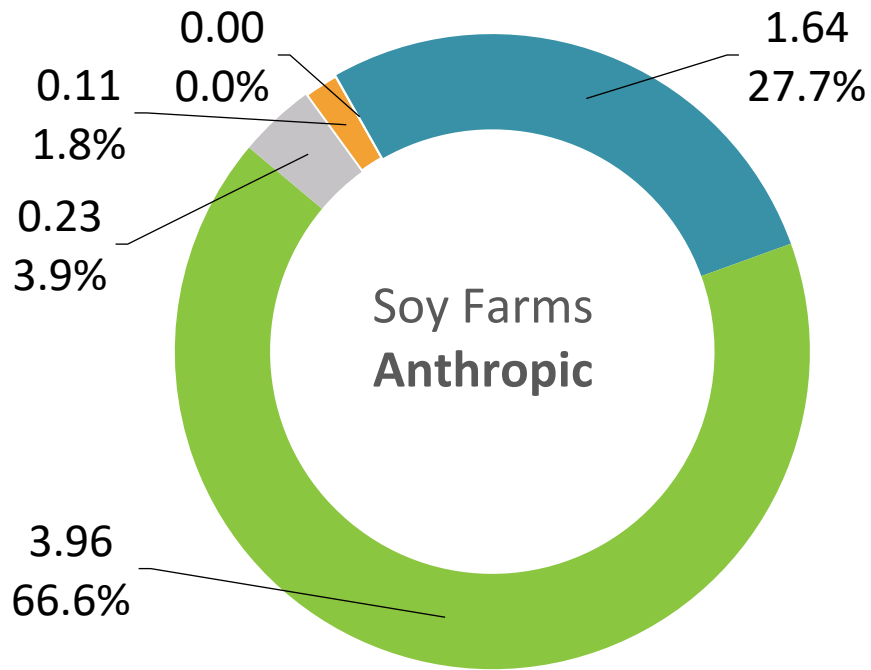
Soy

Without aptitude

APP – Areas of Permanent Protection; RL – Legal Reserve; TI – Indigenous Land; UC – Conservation Units; APA – Area of Environmental Protection; Q - Quilombolas

AGRICULTURAL APTITUDE FOR SOY EXPANSION IN SCF MUNICIPALITIES: ONLY FOR SOY FARMS

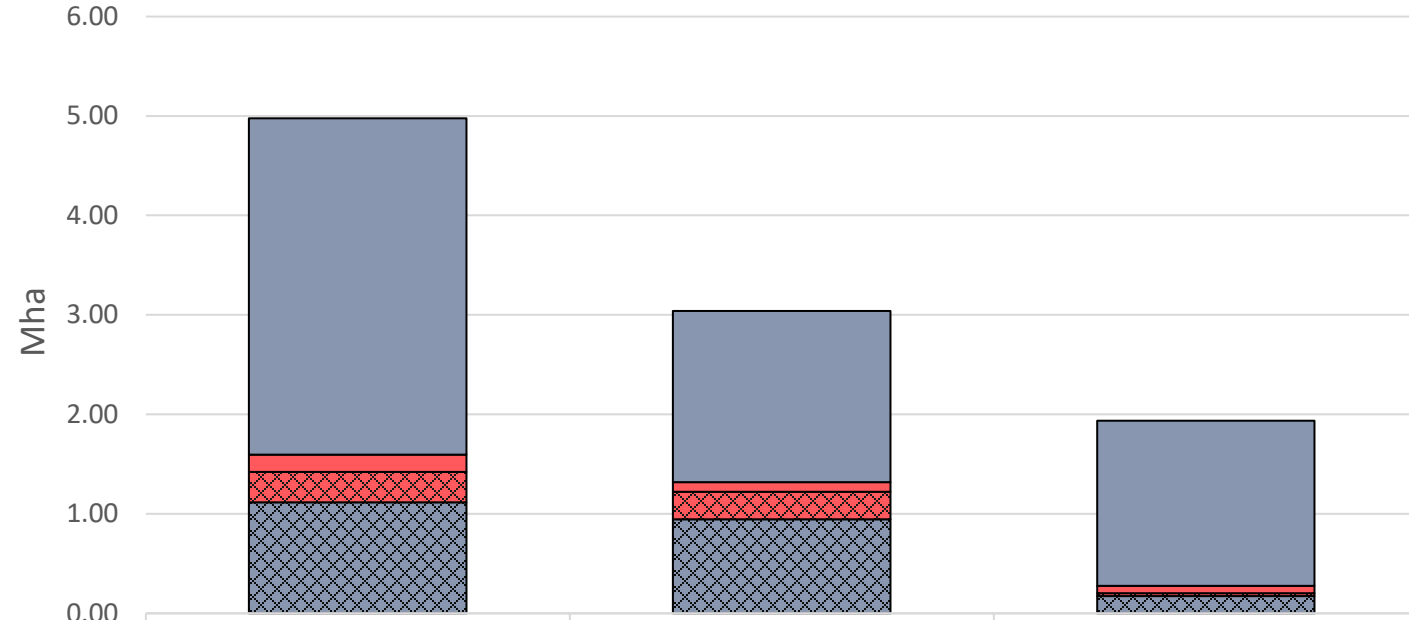
Area (Mha)



APP – Areas of Permanent Protection; RL – Legal Reserve; TI – Indigenous Land; UC – Conservation Units; APA – Area of Environmental Protection; Q - Quilombolas

SOYBEAN OF CROP YEAR 2019/20 ON TOP OF NATIVE VEGETATION | PRODES 2014-2019

CERRADO, MATOPIBA and Other States vs. 61 SCF Municipalities

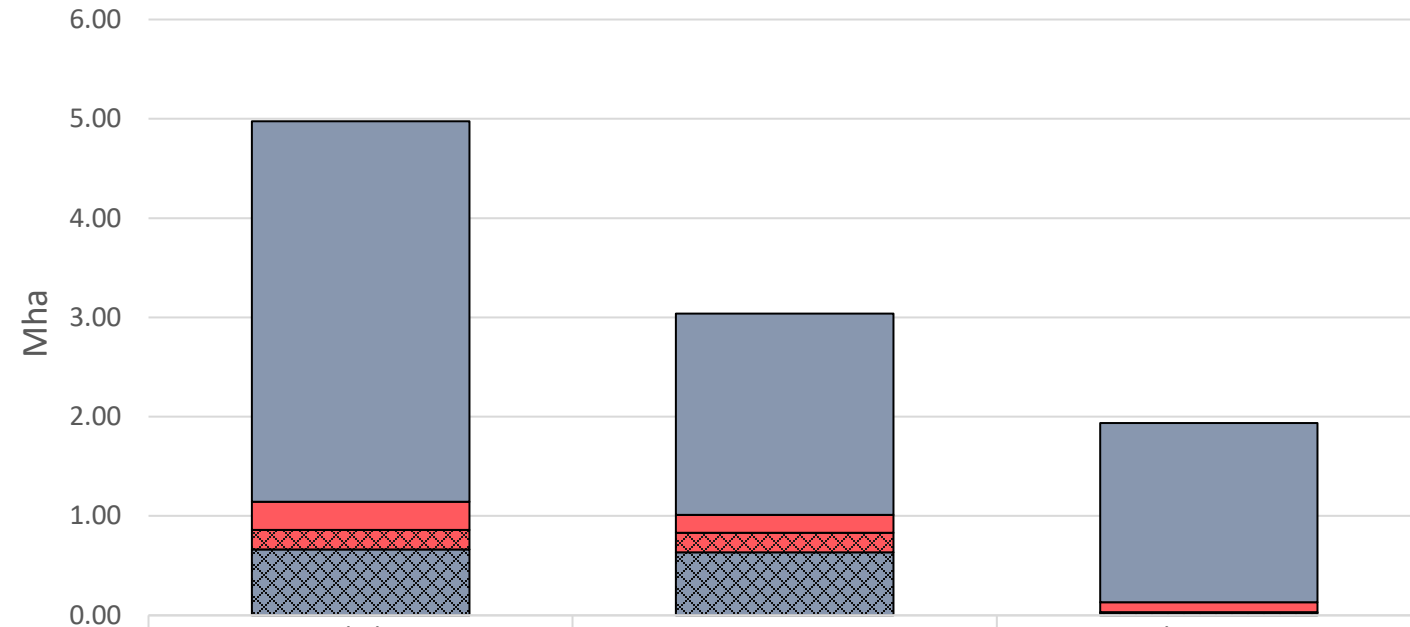


	Cerrado biome	MATOPIBA	Other States
■ No SCF Municipalities - deforestation PRODES 14-19 not converted to soy in 2019/20	3,378,394	1,719,381	1,659,013
■ No SCF Municipalities - deforestation PRODES 14-19 converted to soy in 2019/20	174,097	97,166	76,931
■ SCF 61 Municipalities - deforestation PRODES 14-19 converted to soy in 2019/20	306,538	278,369	28,169
■ SCF 61 Municipalities - deforestation PRODES 14-19 not converted to soy in 2019/20	1,115,845	943,586	172,259

In the 61 SCF municipalities of the Cerrado Biome a total of 306,538 hectares of soy in 2019/20 (91% of it within the MATOPIBA) were on top of native vegetation deforested from 2014 to 2019 (6 years); in **no** SCF municipalities a total of 174,097 hectares of soy in crop year 2019/20 were on top of native vegetation deforested from 2004 to 2019.

SOYBEAN OF CROP YEAR 2019/20 ON TOP OF NATIVE VEGETATION | PRODES 2014-2019

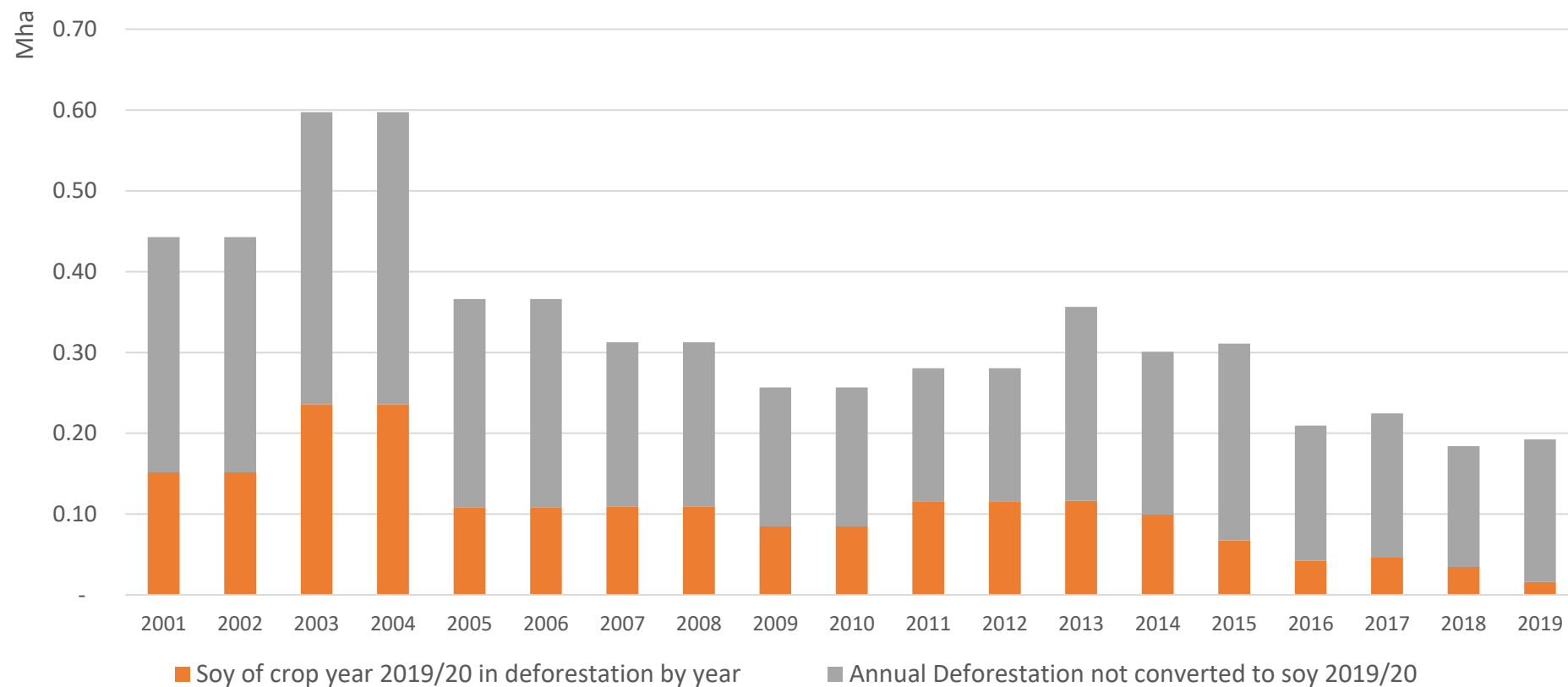
CERRADO, MATOPIBA and Other States vs. 25 SCF Municipalities



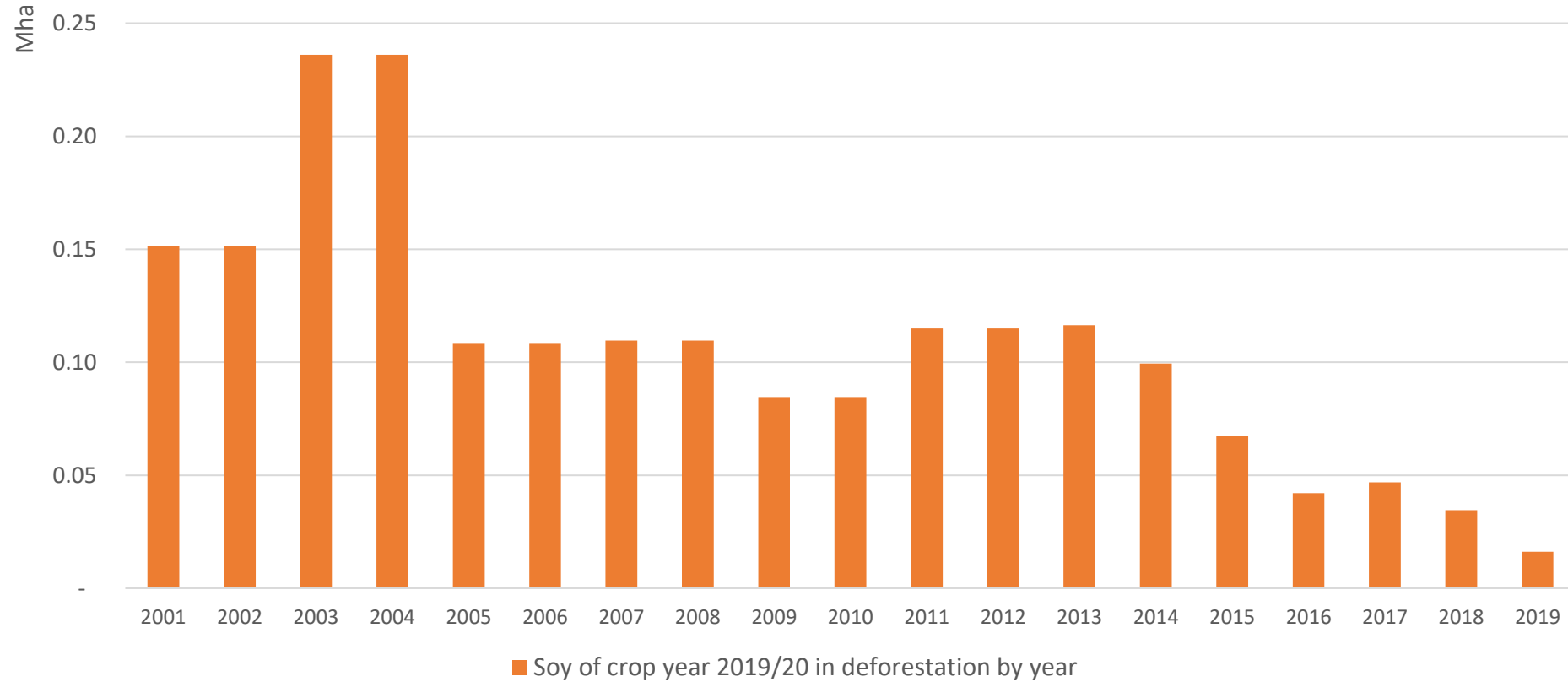
	Cerrado biome	MATOPIBA	Other States
■ No SCF Municipalities - deforestation PRODES 14-19 not converted to soy in 2019/20	3,832,625	2,027,638	1,804,987
■ No SCF Municipalities - deforestation PRODES 14-19 converted to soy in 2019/20	281,007	181,289	99,718
■ SCF 25 Municipalities - deforestation PRODES 14-19 converted to soy in 2019/20	199,627	194,246	5,382
■ SCF 25 Municipalities - deforestation PRODES 14-19 not converted to soy in 2019/20	661,614	635,329	26,285

In the 25 SCF municipalities of the Cerrado Biome a total of 199,627 hectares of soy in 2019/20 (97% of it within the MATOPIBA) were on top of native vegetation deforested from 2014 to 2019 (6 years); in **no** SCF municipalities a total of 281,007 hectares of soy in crop year 2019/20 were on top of native vegetation deforested from 2004 to 2019.

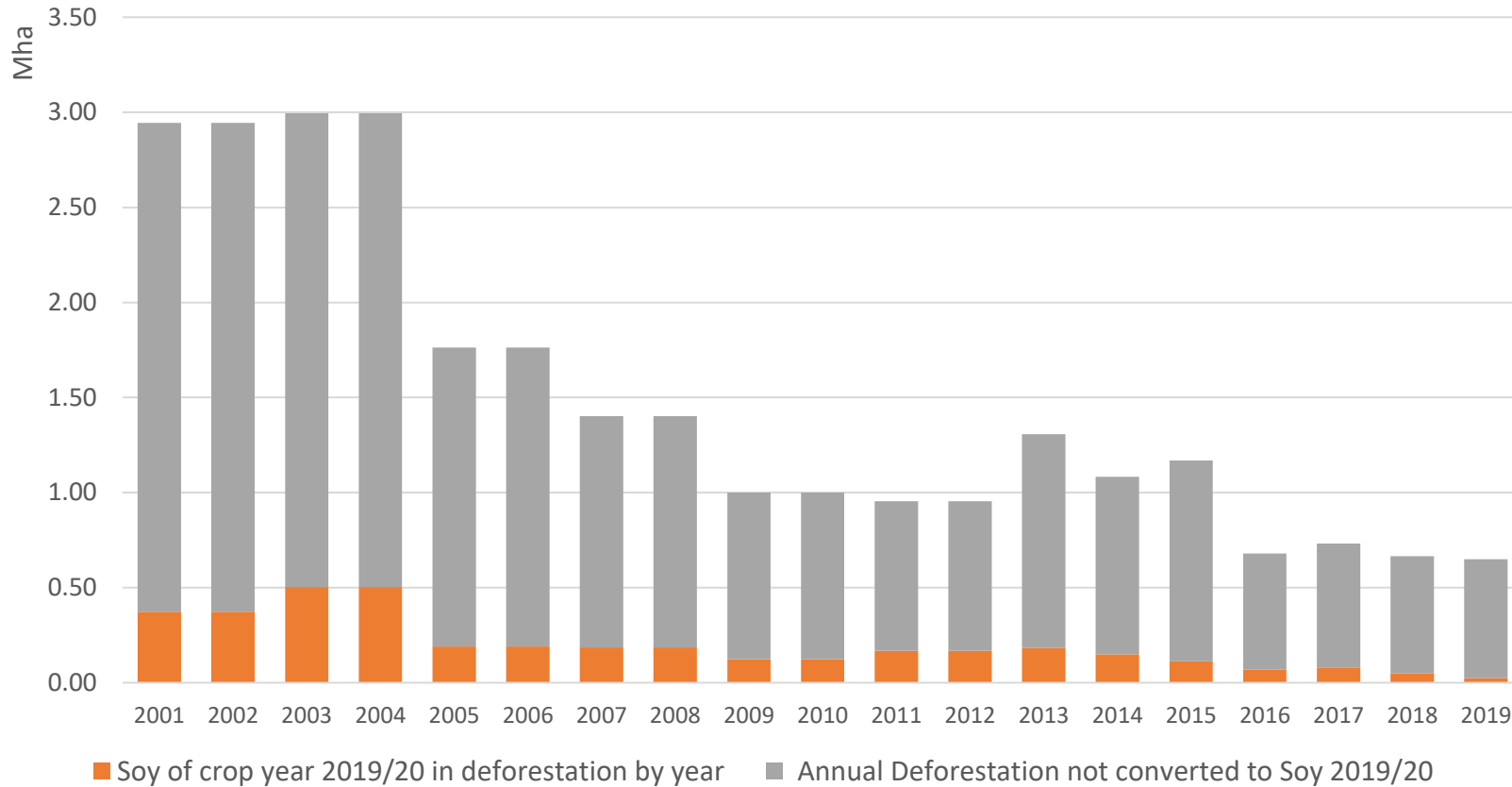
61 SCF Municipalities



61 SCF Municipalities

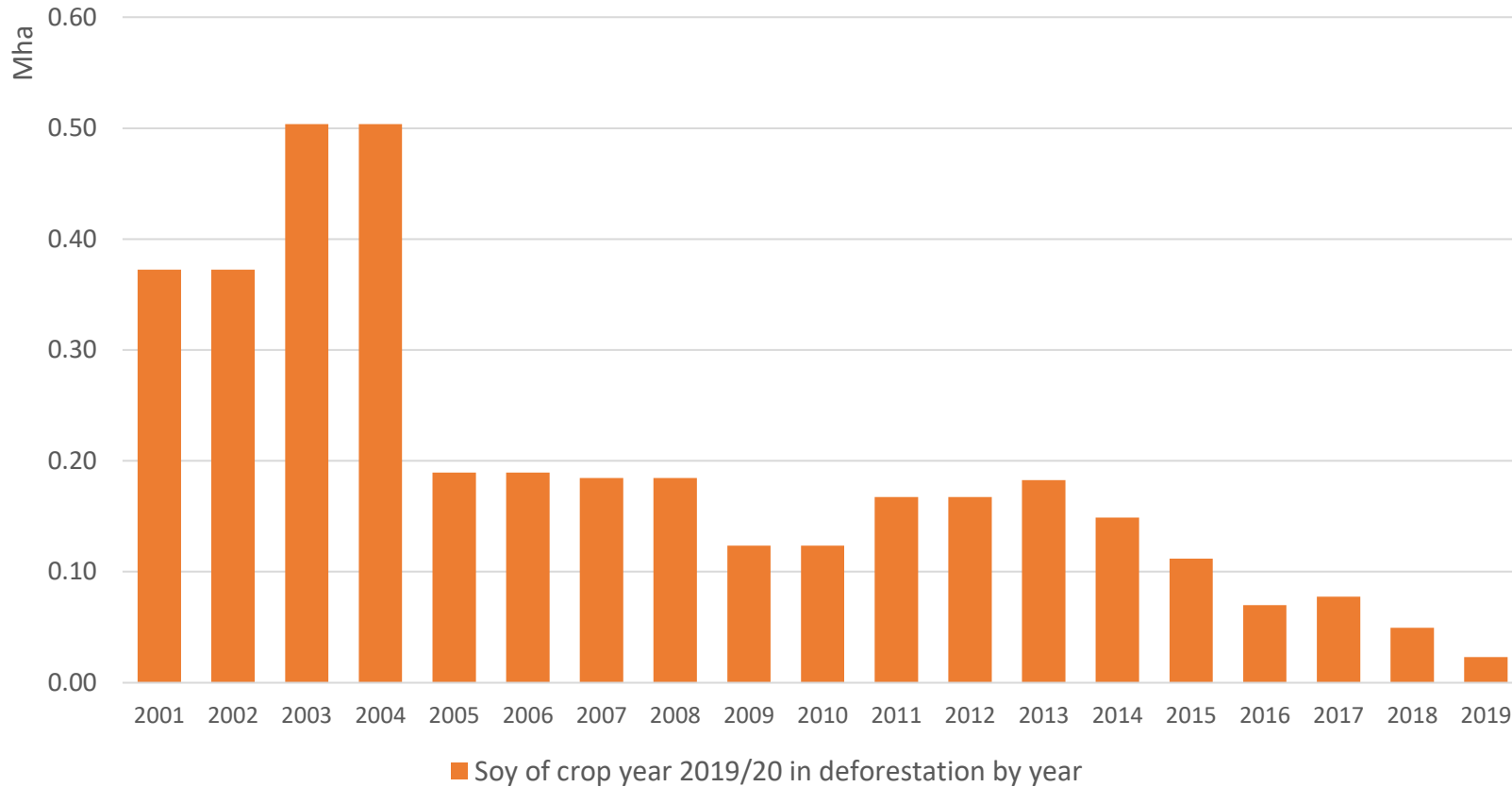


Cerrado Biome



81.1% (15.08 million hectares) of soy in crop year 2019/20 was planted on land deforested prior to 2001

Cerrado Biome



81.1% (15.08 million hectares) of soy in crop year 2019/20 was planted on land deforested prior to 2001

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