

8<sup>th</sup> 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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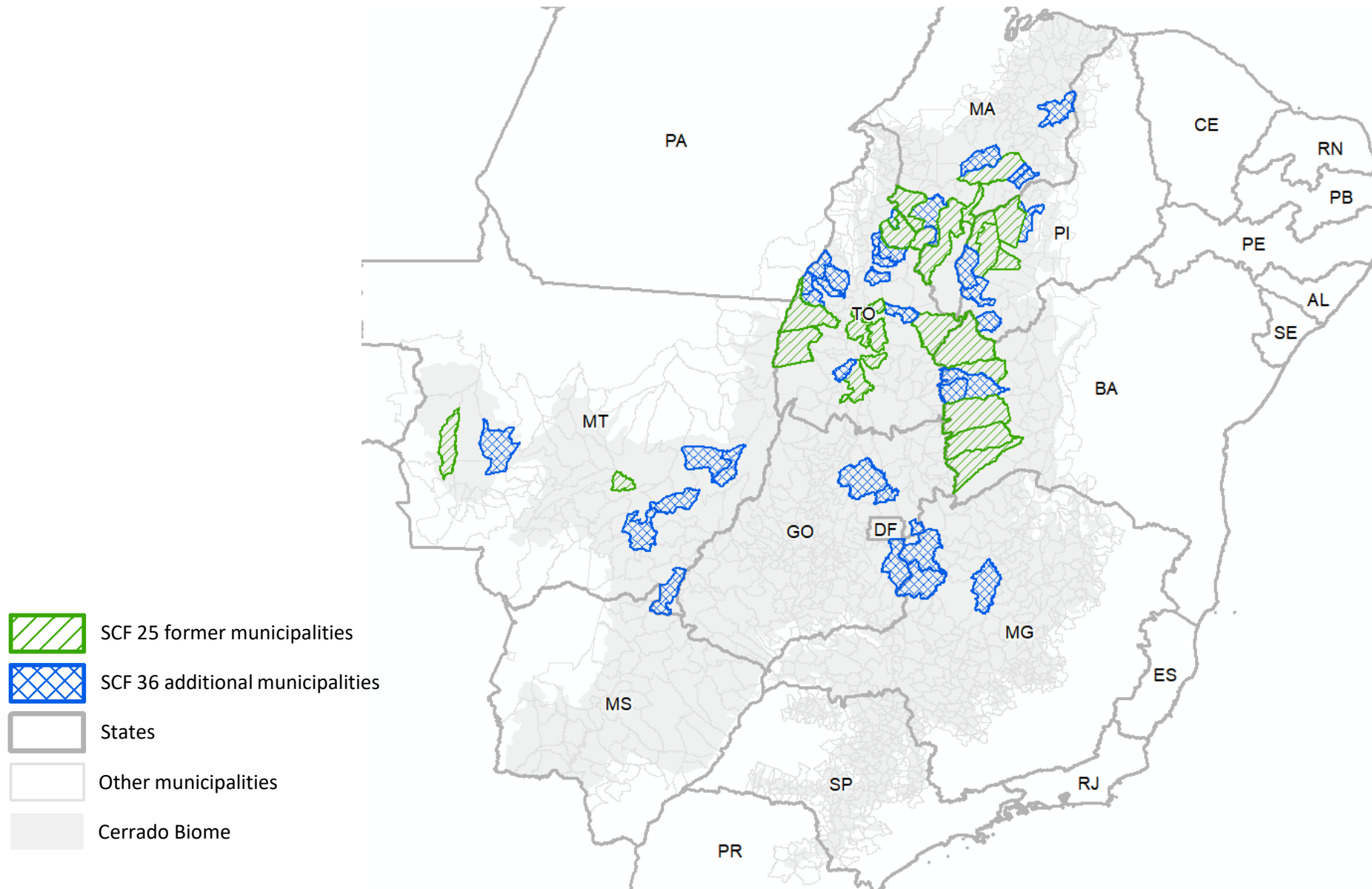
Accomplished by:



agrosatélite



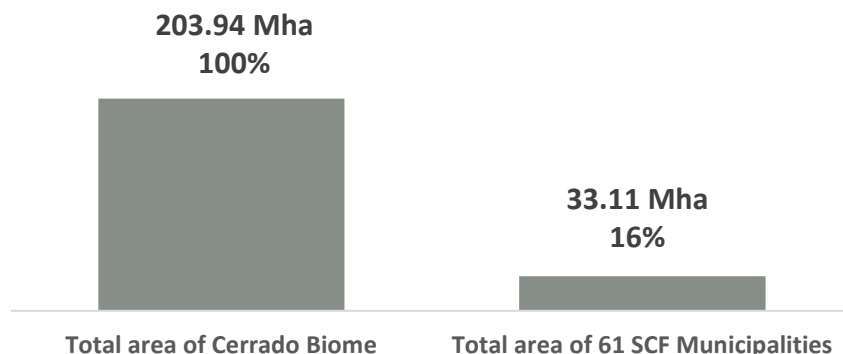
## STUDY AREA | 61 Municipalities (25 + 36)



# SUMMARY OF THE RESULTS | 2019/20

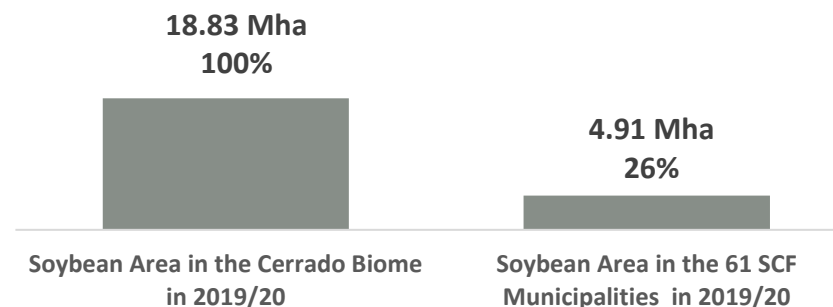
## a) Study Area

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



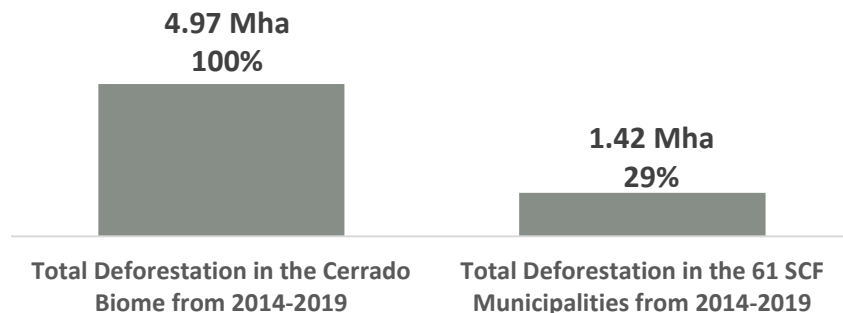
## b) Soy in crop year 2019/20

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



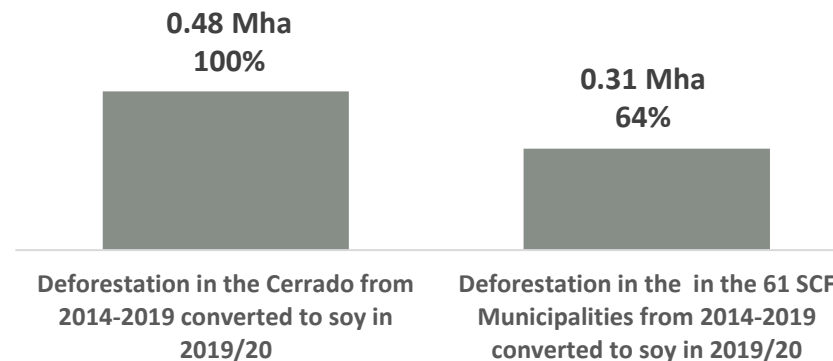
## c) Deforestation (PRODES 2014-2019)

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



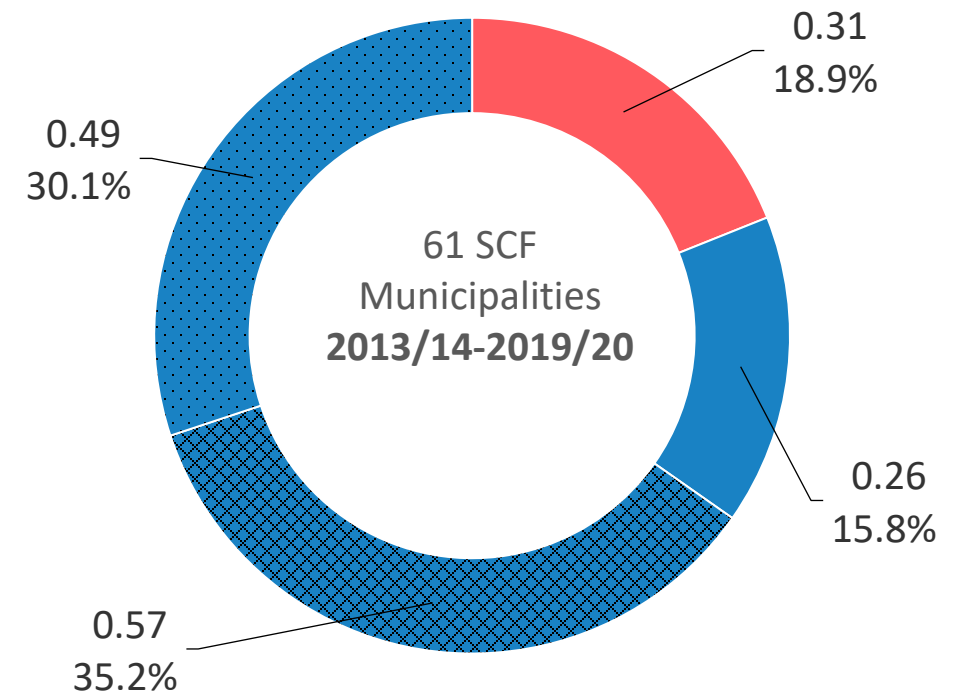
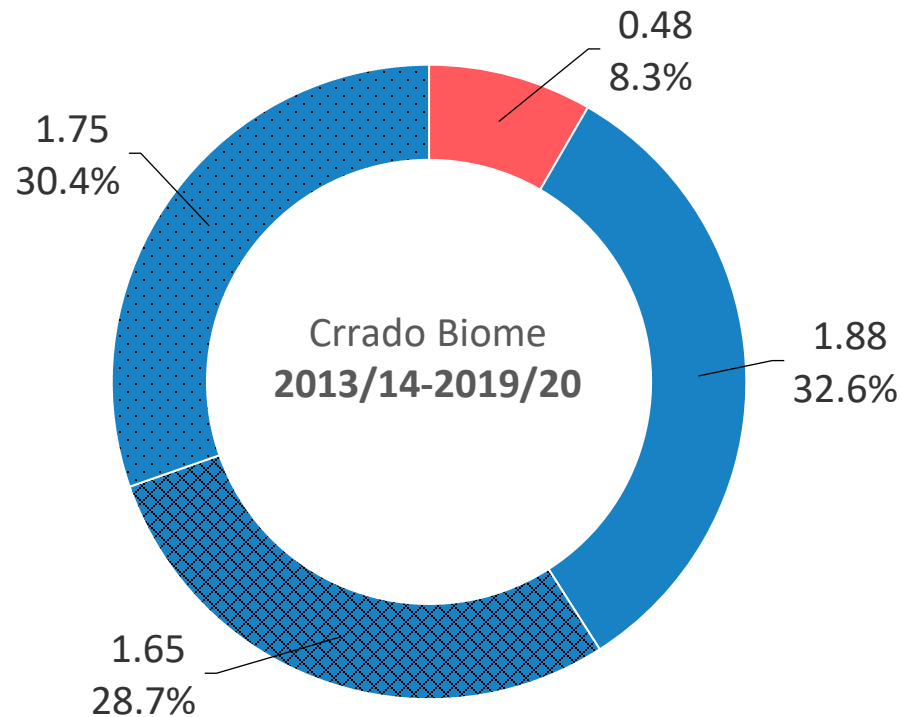
## d) Deforestation (PRODES 2014-2019) converted to soy





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.



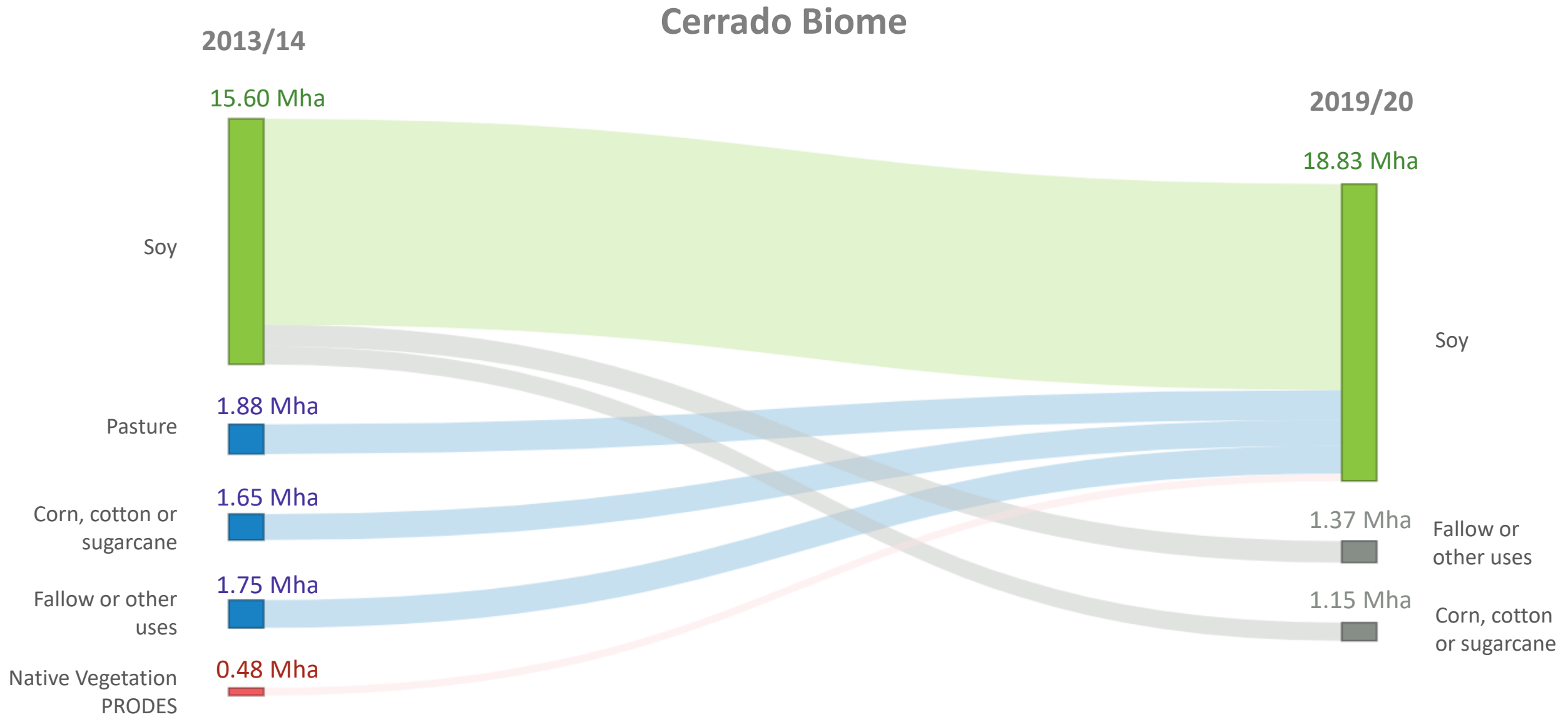
# SOYBEAN EXPANSION ON LAND OTHER THAN SOY | From 2013/14 to 2019/20

Area (Mha)

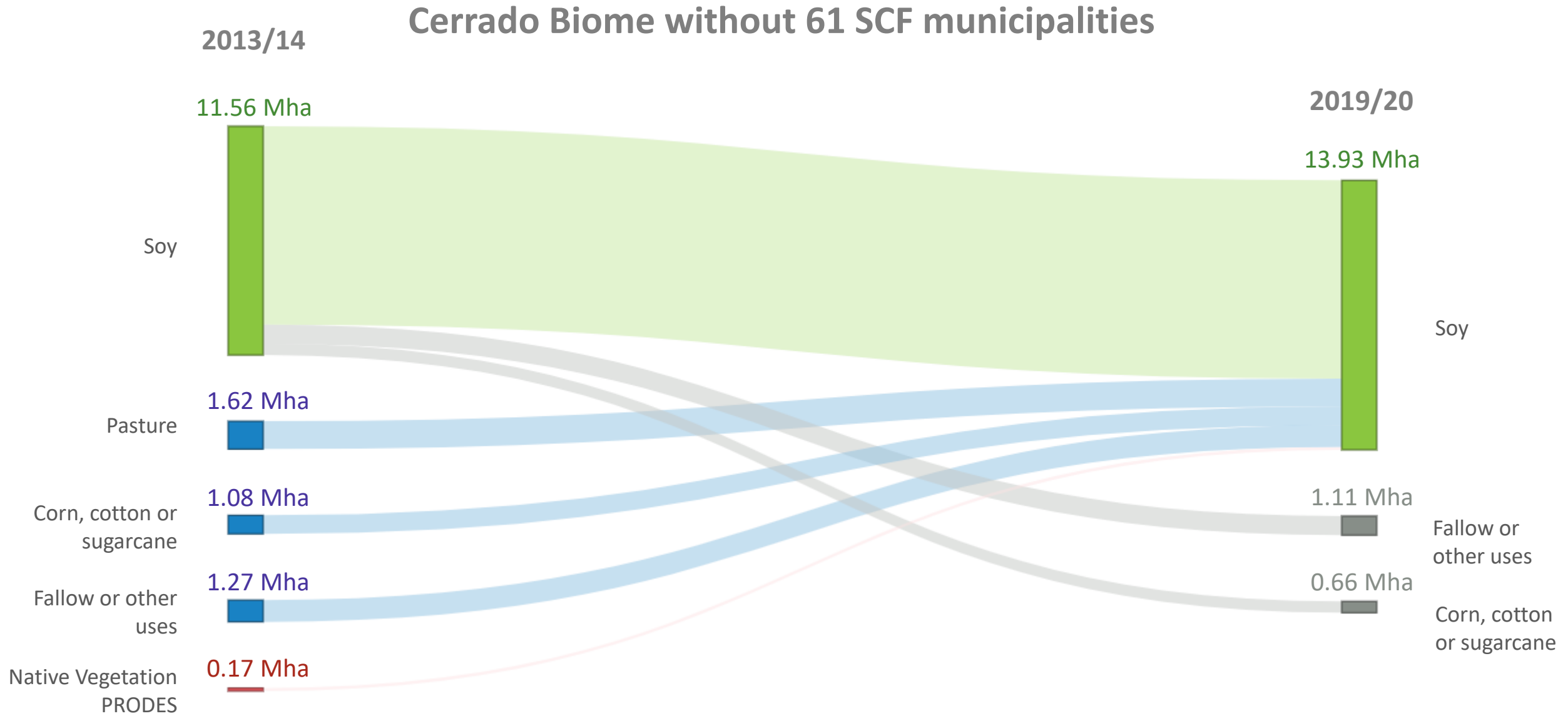


-  Soy Expansion without deforestation - on pasture
-  Soy Expansion without deforestation - on corn, cotton or sugarcane
-  Soy Expansion without deforestation - on follow and other Uses
-  Soy Expansion with deforestation

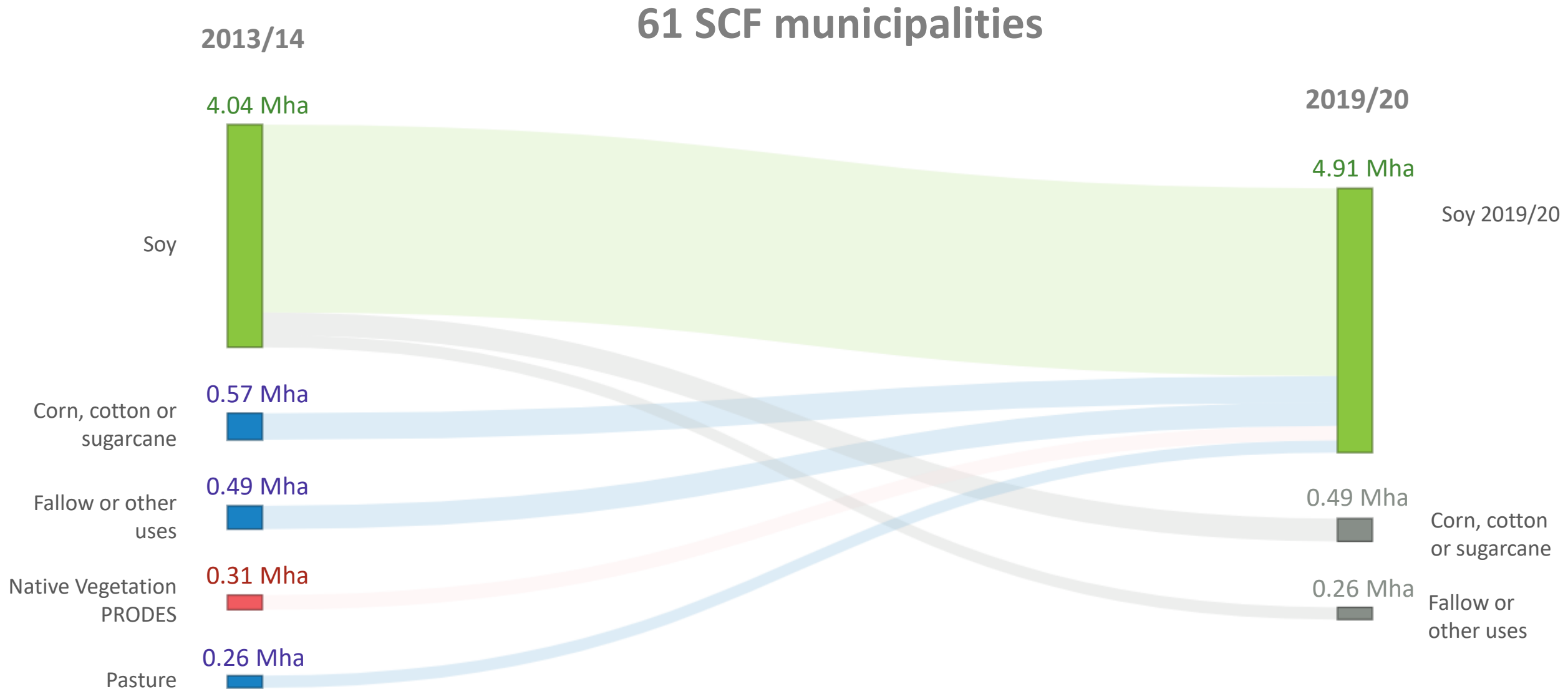
# Soybean expansion from crop years 2013/14 to 2019/20 and associated land use changes



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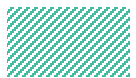
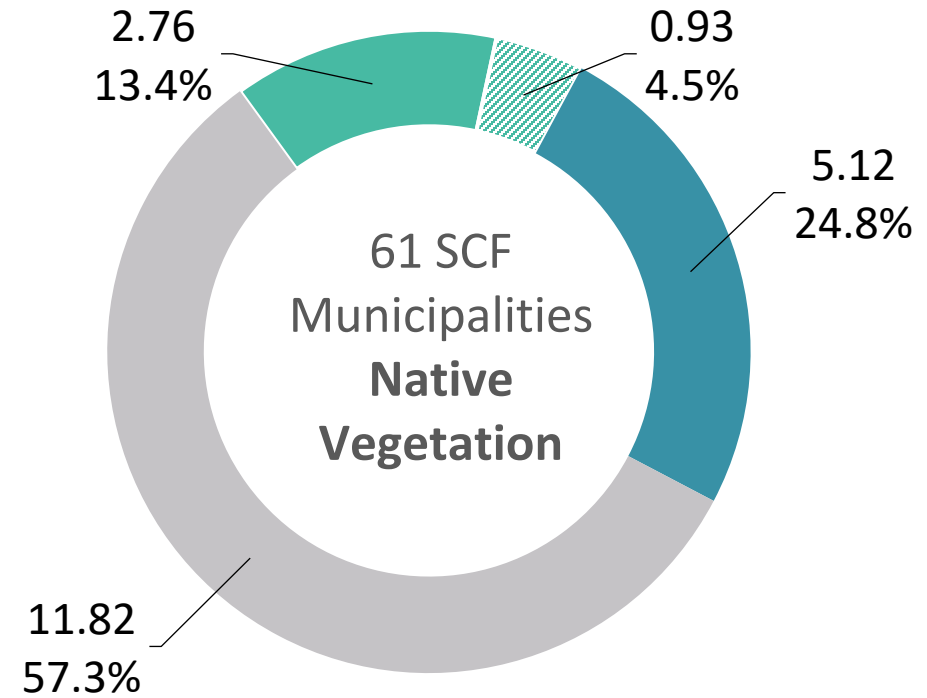
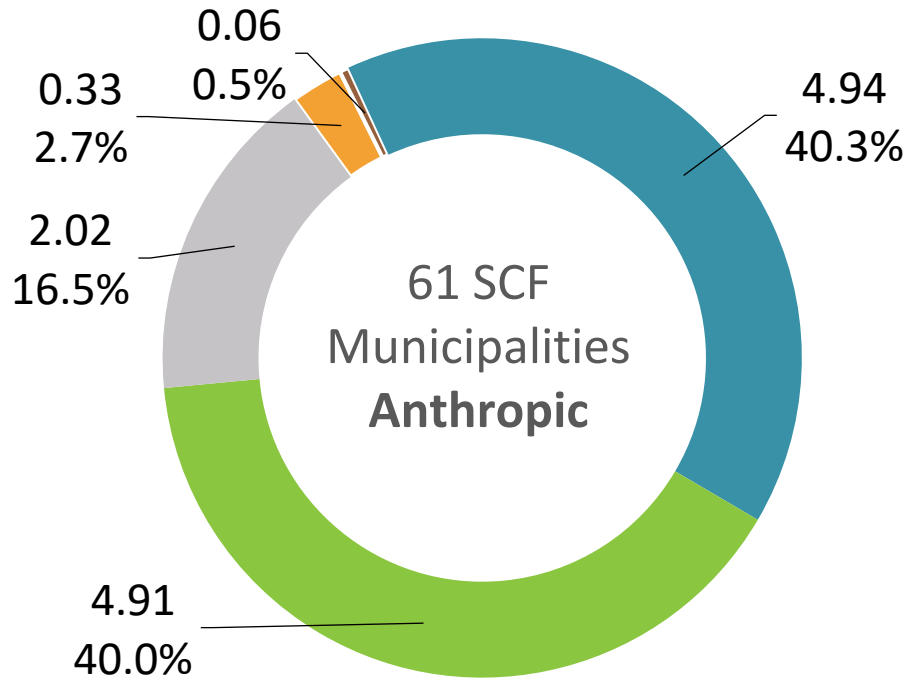


# Soybean expansion from crop years 2013/14 to 2019/20 and associated land use changes



# 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



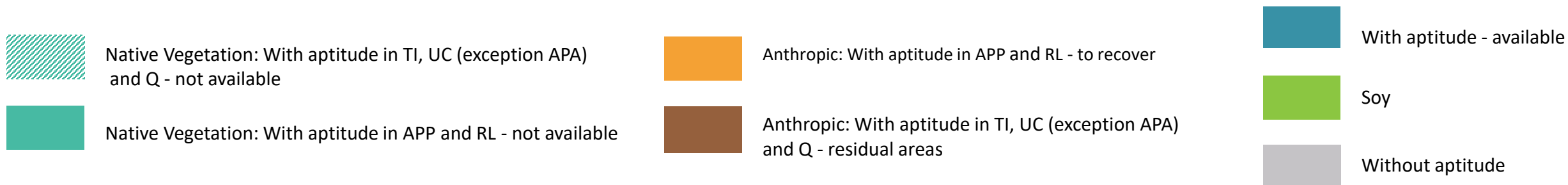
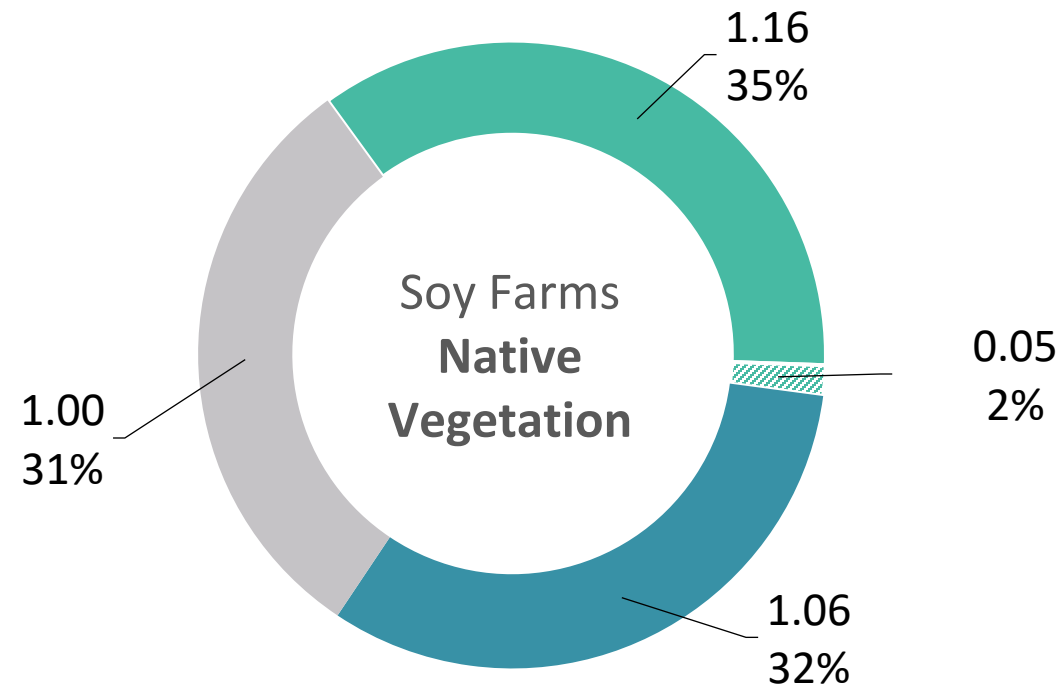
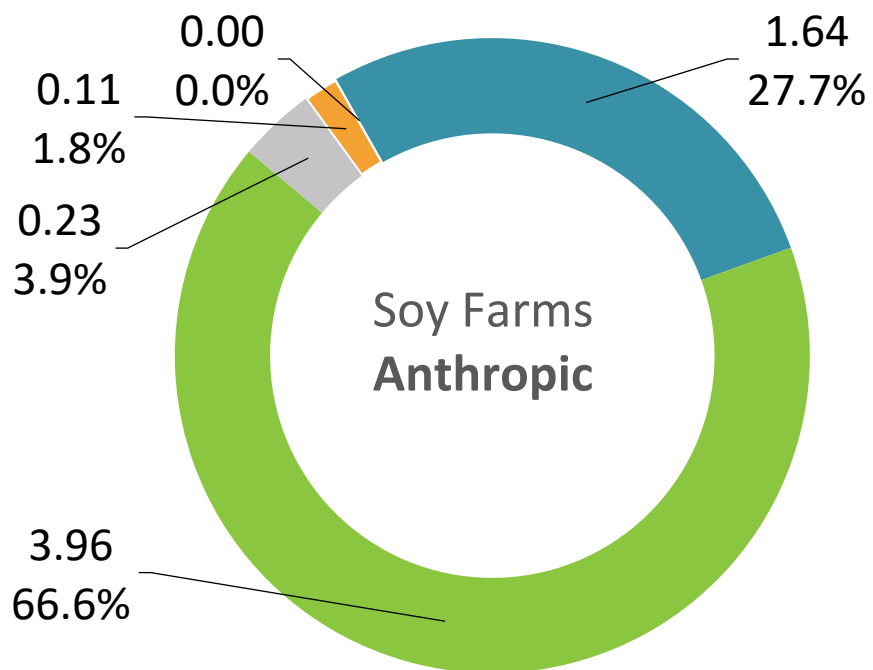
Without aptitude

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

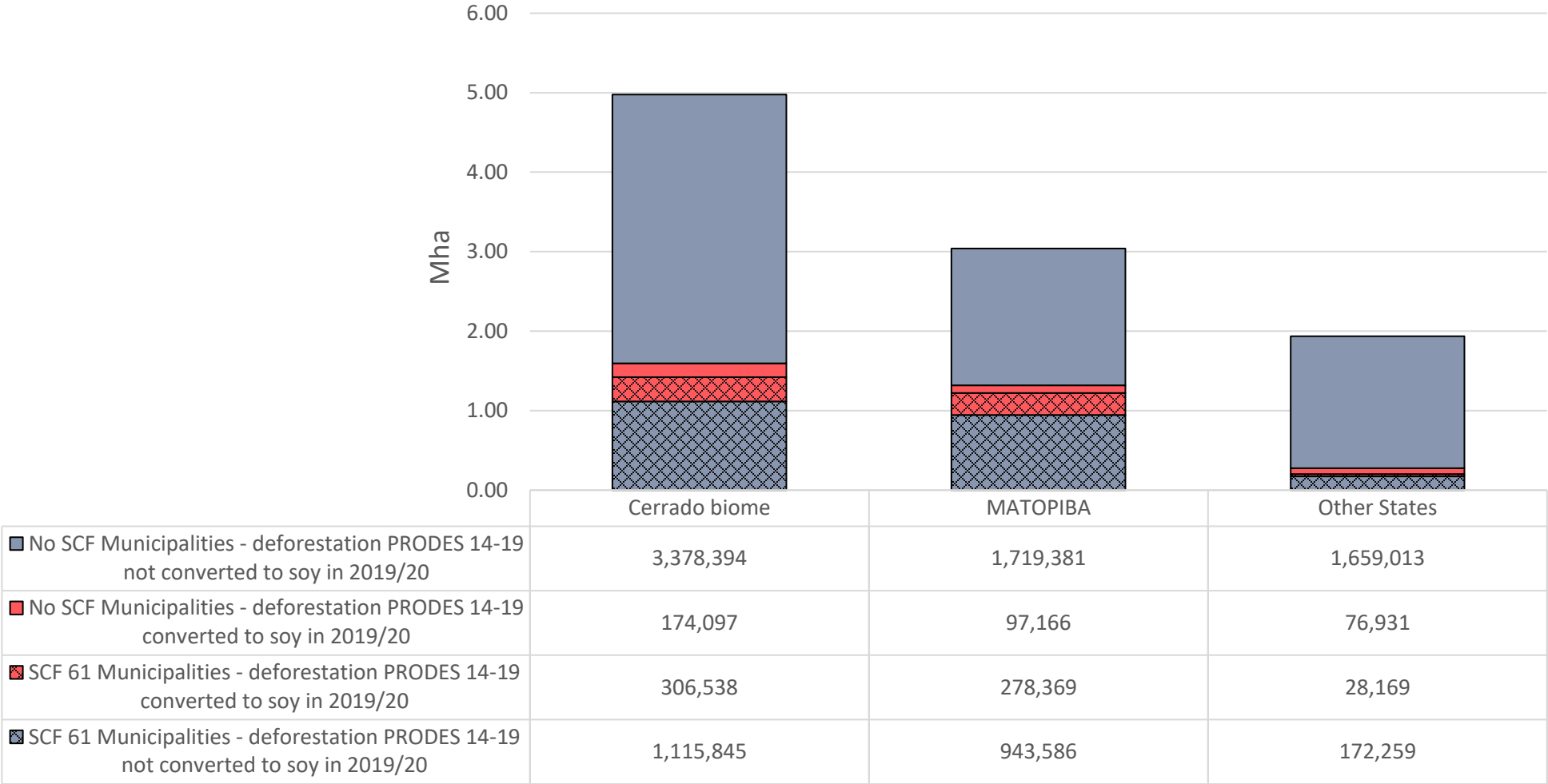
Area (Mha)



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

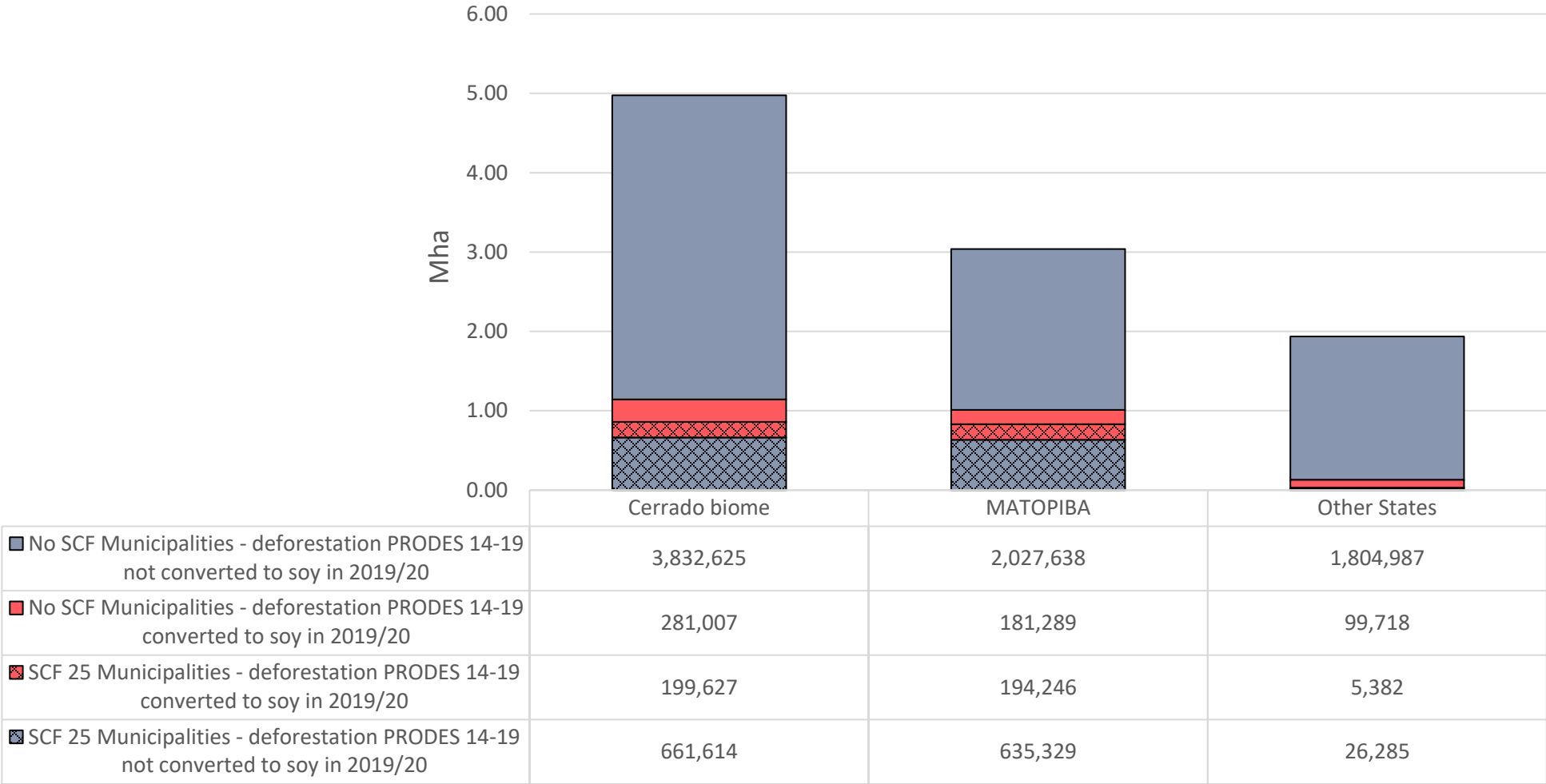
## CERRADO, MATOPIBA and Other States vs. 61 SCF Municipalities



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.

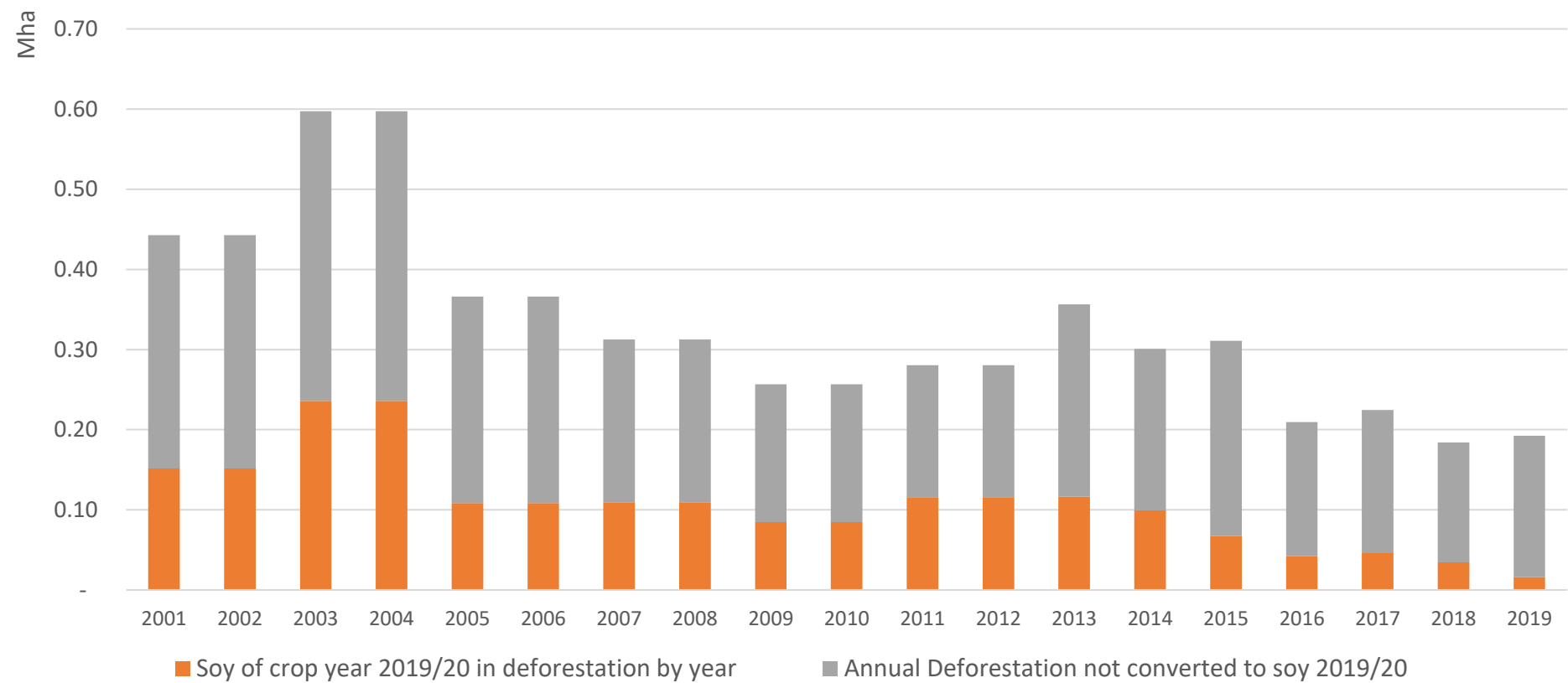
# SOYBEAN OF CROP YEAR 2019/20 ON TOP OF NATIVE VEGETATION | PRODES 2014-2019

## CERRADO, MATOPIBA and Other States vs. 25 SCF Municipalities



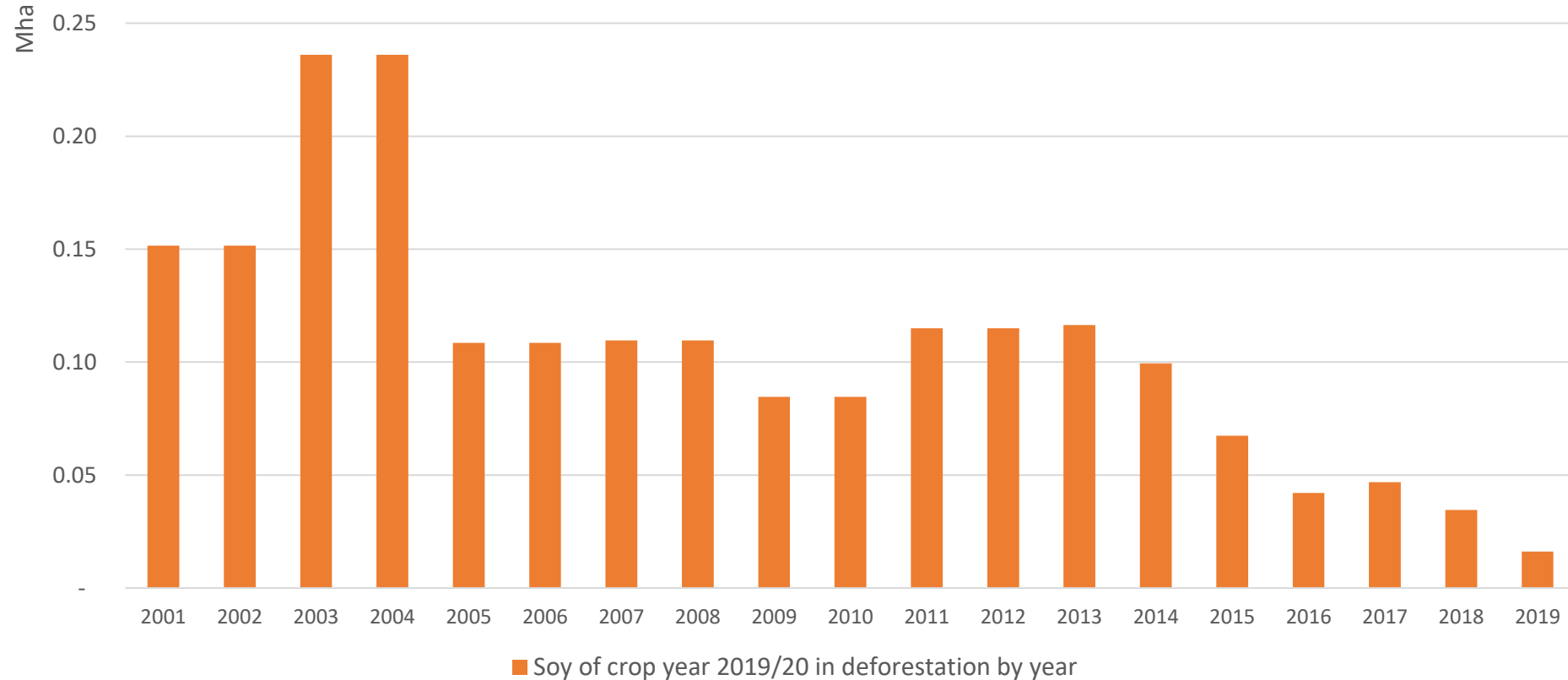
In the 25 SCF municipalities of the Cerrado Biome a total of 199,627 hectares of soy in 2019/20 (97% of it within the MATOPIBA) were on top of native vegetation deforested from 2014 to 2019 (6 years); in **no** SCF municipalities a total of 281,007 hectares of soy in crop year 2019/20 were on top of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

61 SCF Municipalities

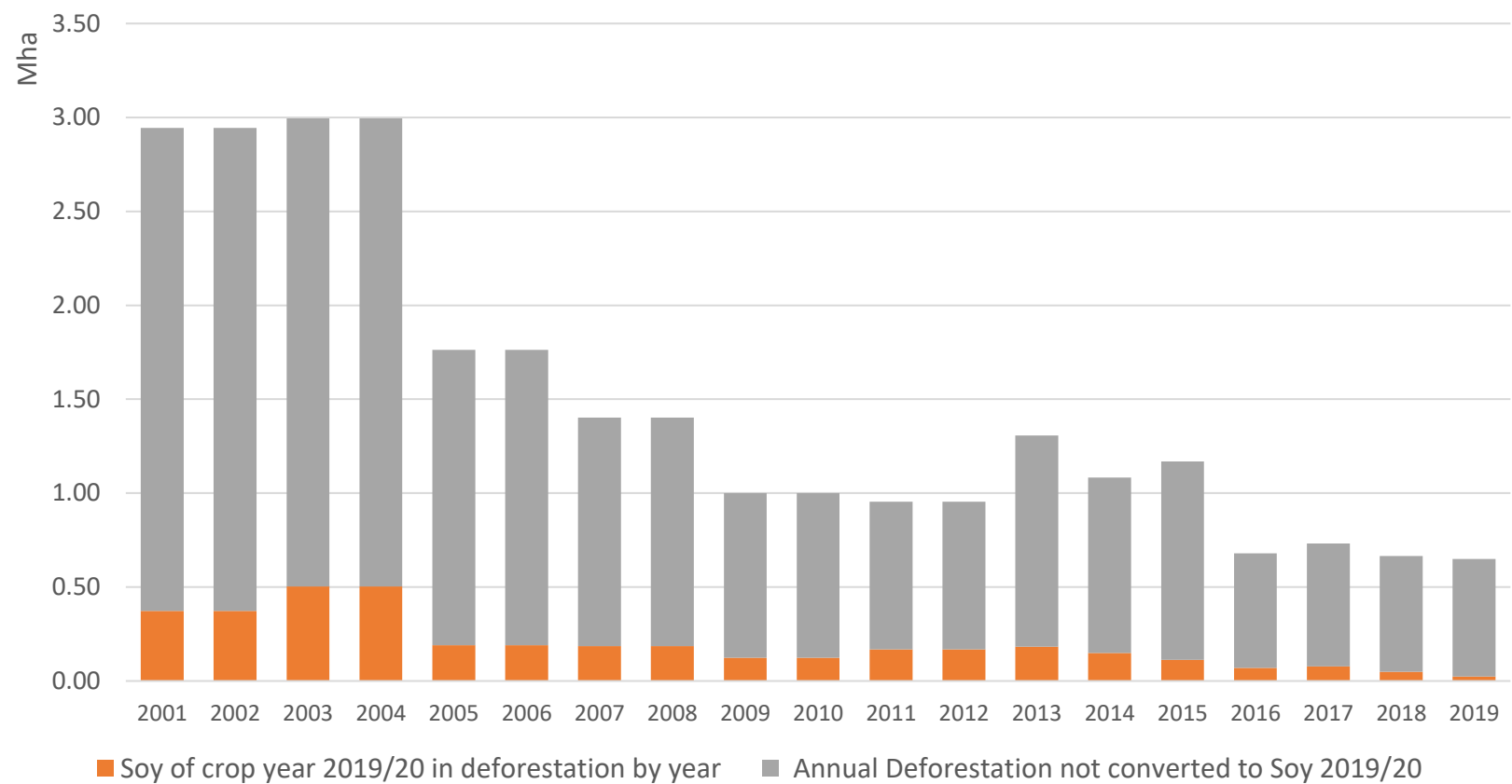




## 61 SCF Municipalities

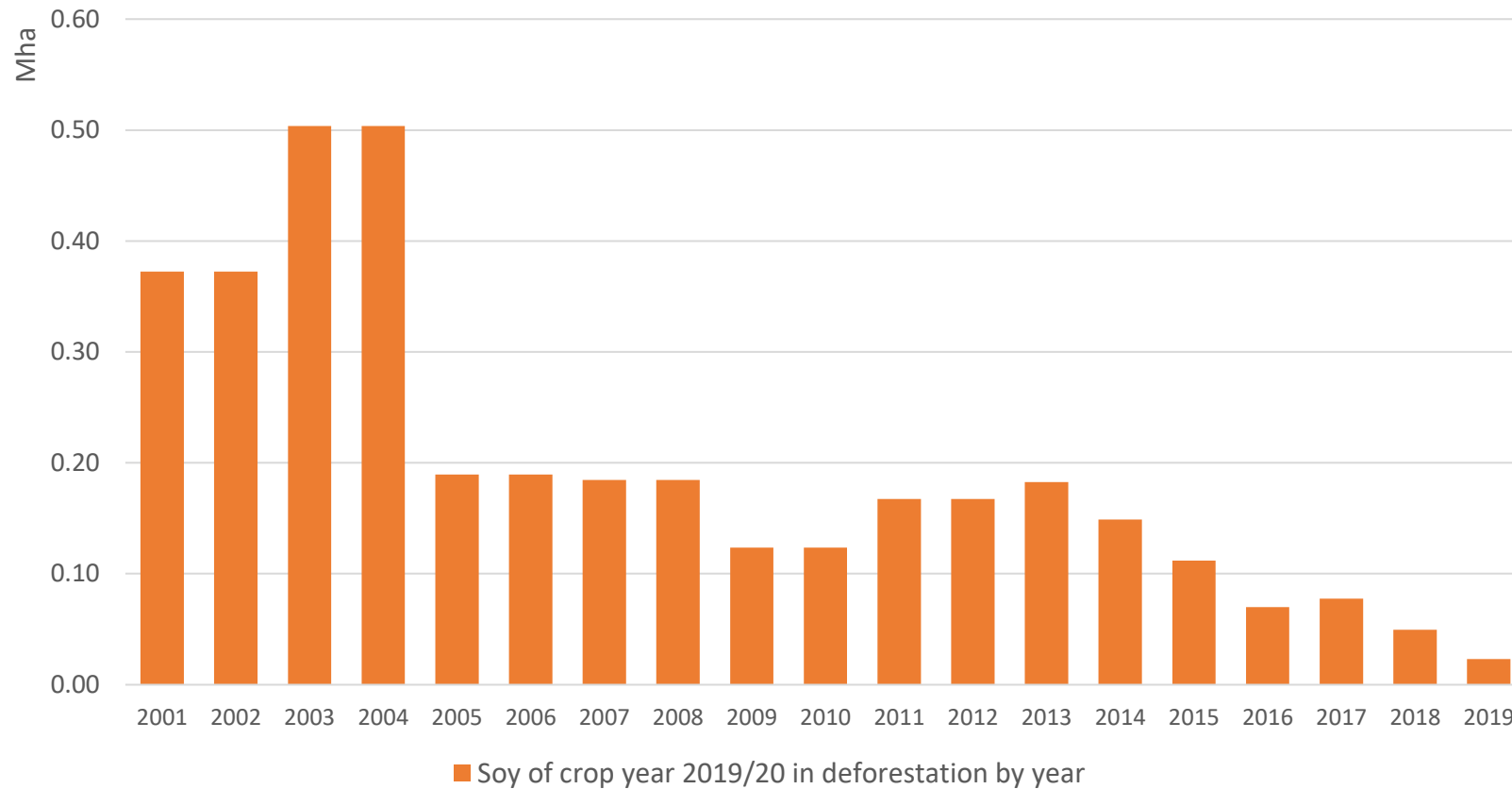


Cerrado Biome



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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