

30th November 2021

CERRADO SOY DYNAMICS ON THE SCF 61 FOCUS MUNICIPALITIES UPDATED FOR CROP YEAR 2020/21 vs. PRODES 2014-2020

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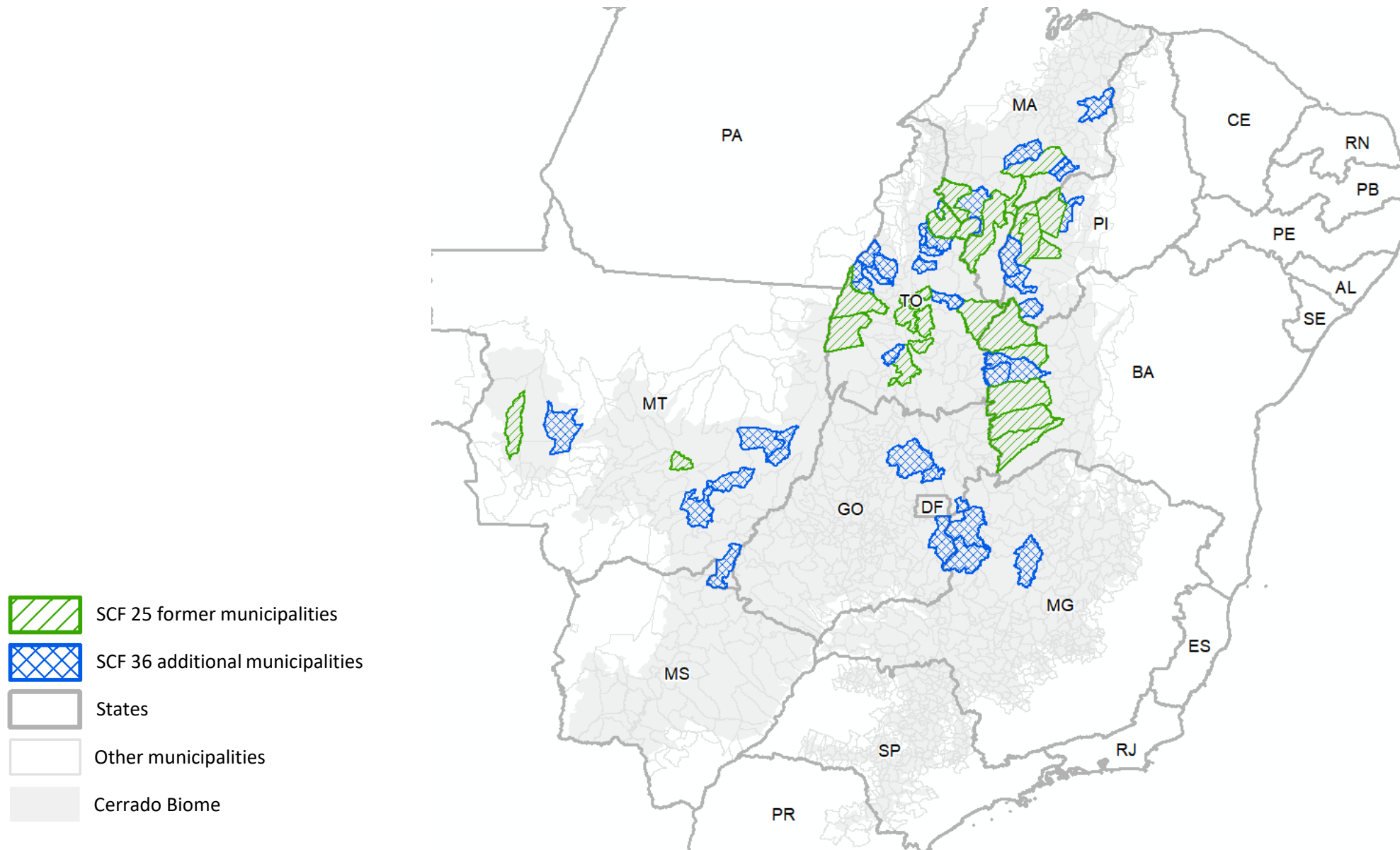
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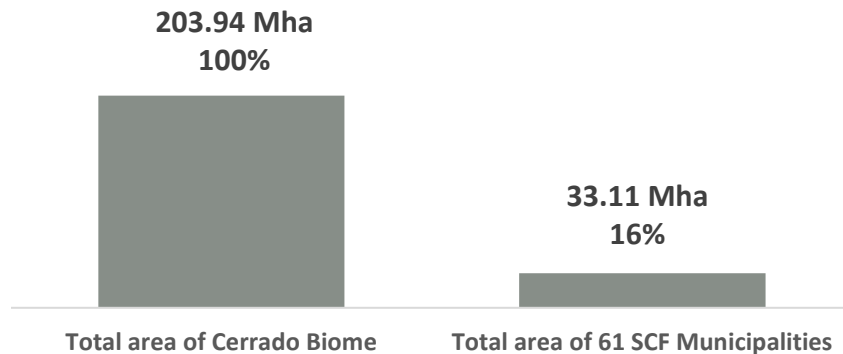
STUDY AREA | 61 Municipalities (25 + 36)



SUMMARY OF THE RESULTS | 2020/21

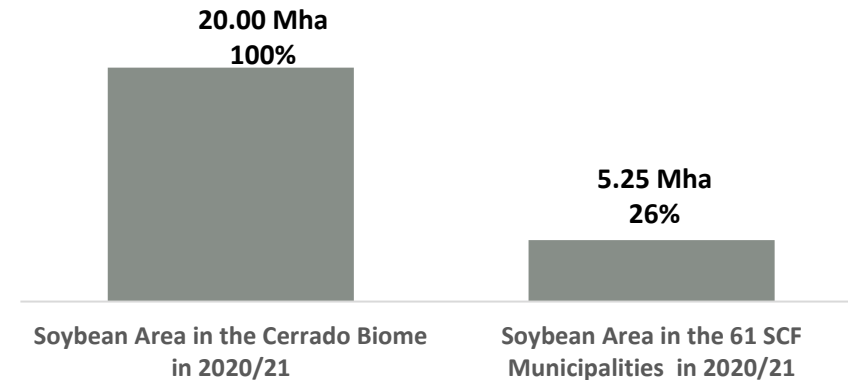
a) Study Area

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



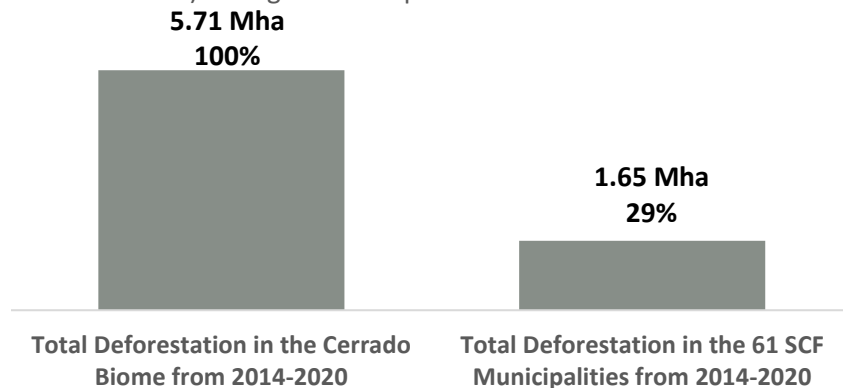
b) Soy in crop year 2020/21

The soy planted area in the Cerrado in crop year 2020/21 was 20.00 million hectares, with 5.25 million hectares of soy (26%) planted in the 61 SCF municipalities



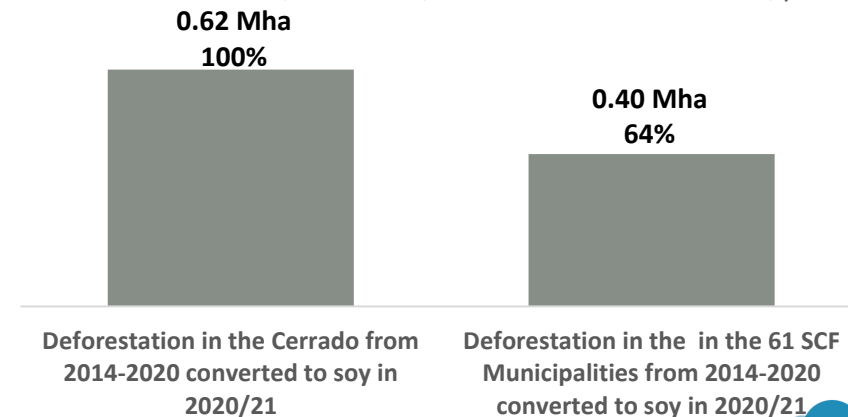
c) Deforestation (PRODES 2014-2020)

In the Cerrado biome the total deforestation, from 2014 to 2020, was 5.71 million hectares, while in the 61 SCF municipalities it was 1.65 million hectares (29% of Cerrado's deforestation) during the same period



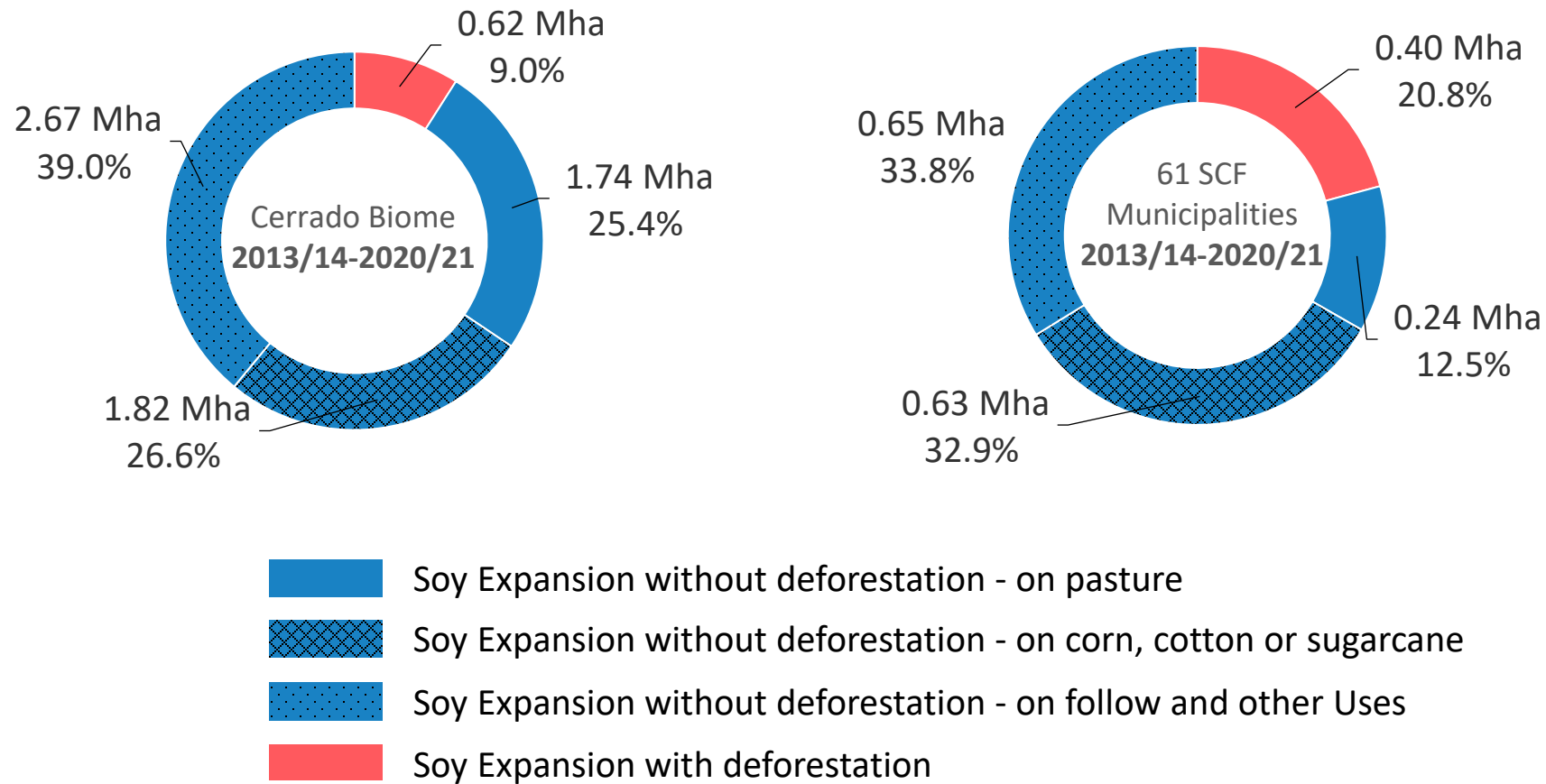
d) Deforestation (PRODES 2014-2020) converted to soy

The amount of soy in crop year 2020/21 on top of the deforestation observed from 2014 to 2020 was 0.62 million hectares in the Cerrado and 0.40 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 2020/21 it decreased to 0.09 Mha/yr in the Cerrado.

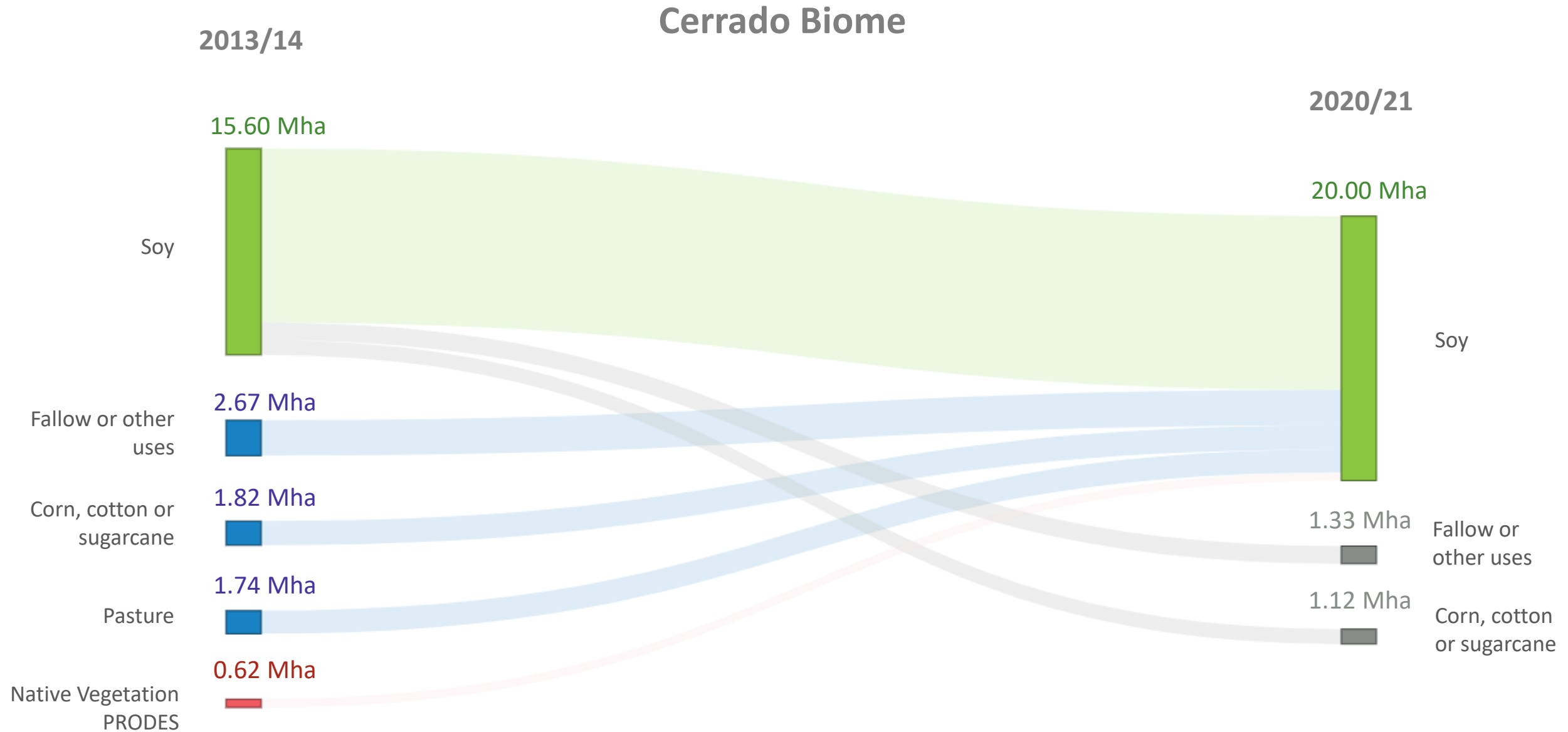


SOYBEAN EXPANSION ON LAND OTHER THAN SOY | From 2013/14 to 2020/21

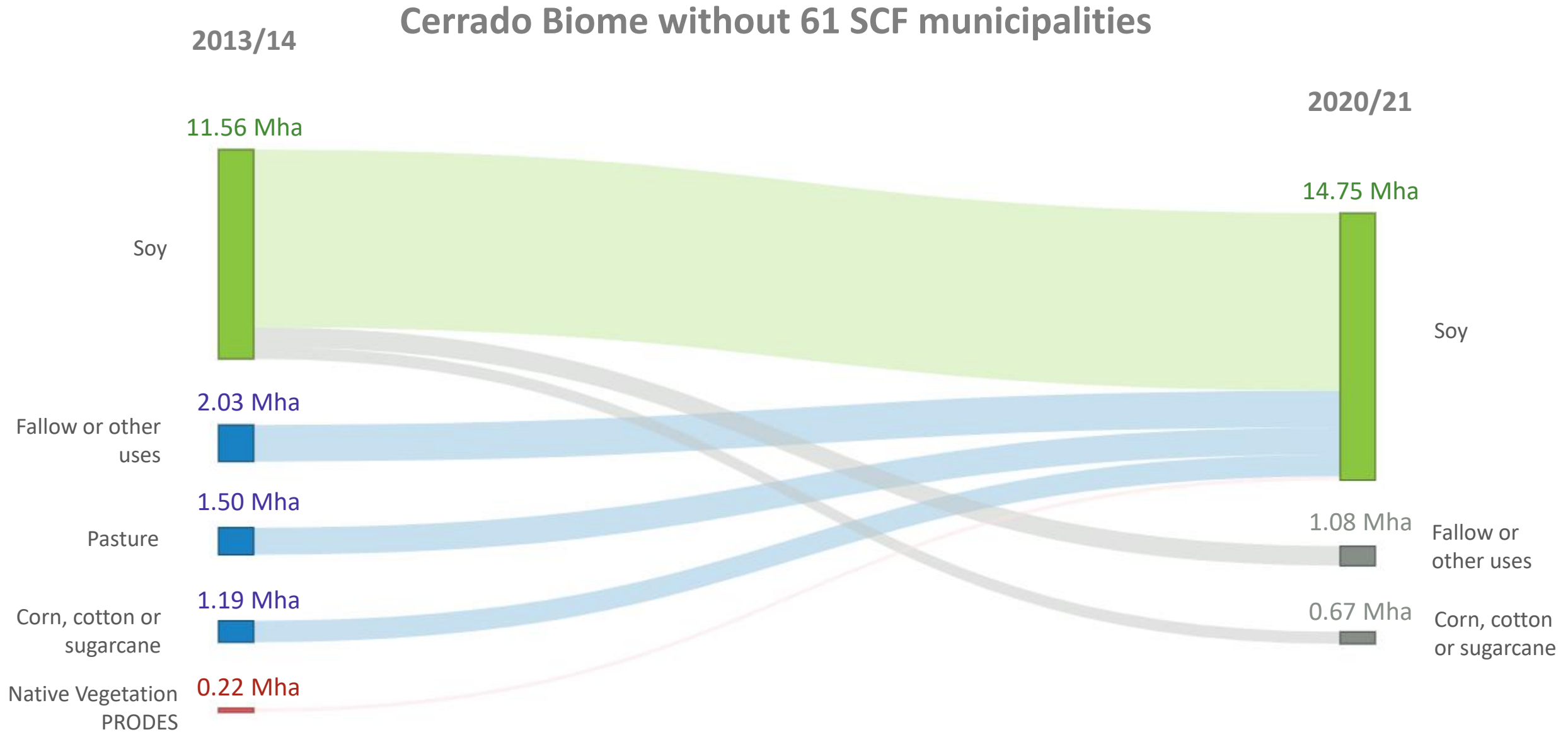
Area (Mha)



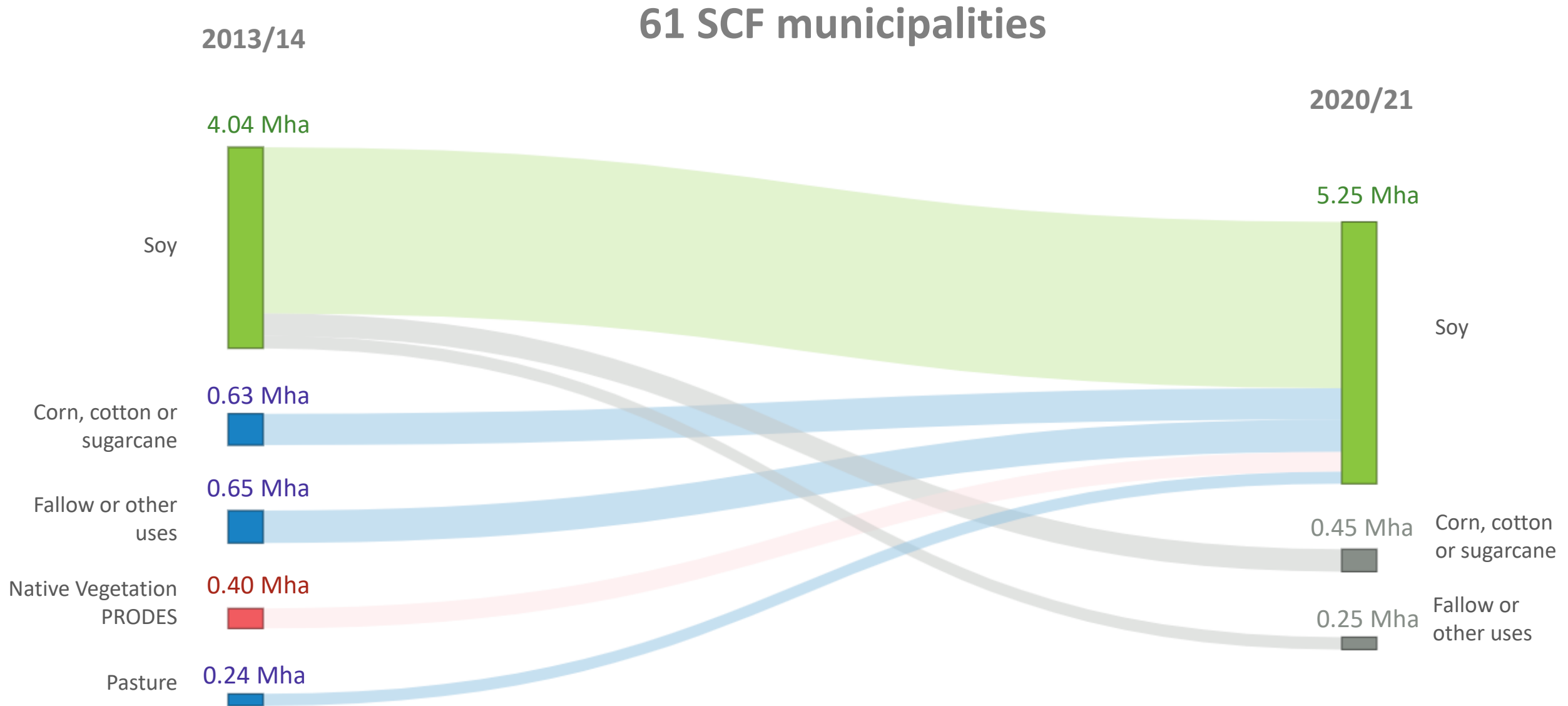
Soybean expansion from crop years 2013/14 to 2020/21 and associated land use changes



Soybean expansion from crop years 2013/14 to 2020/21 and associated land use changes

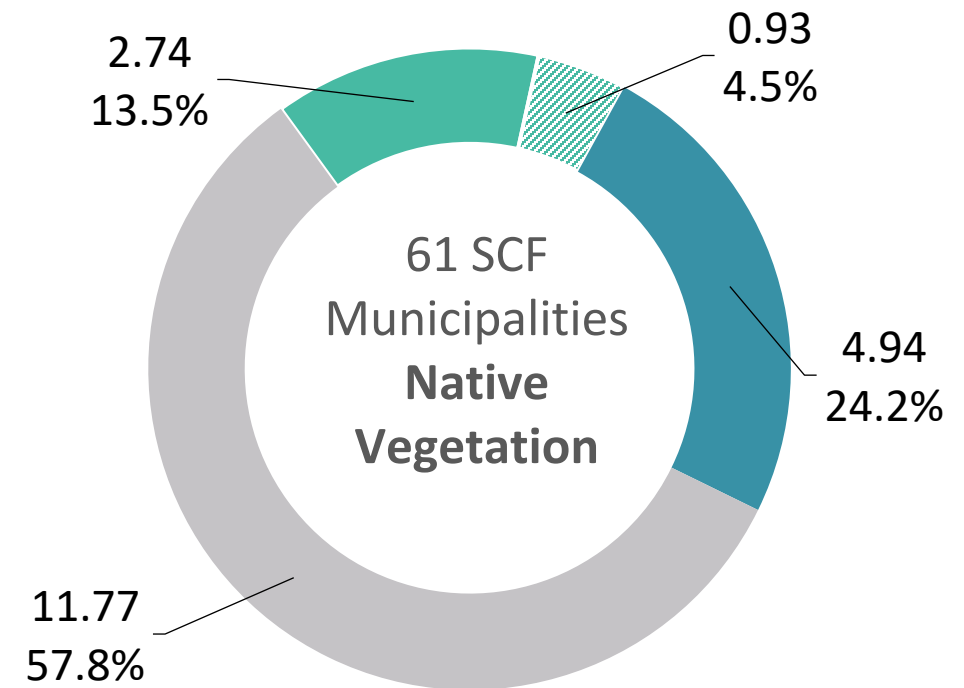
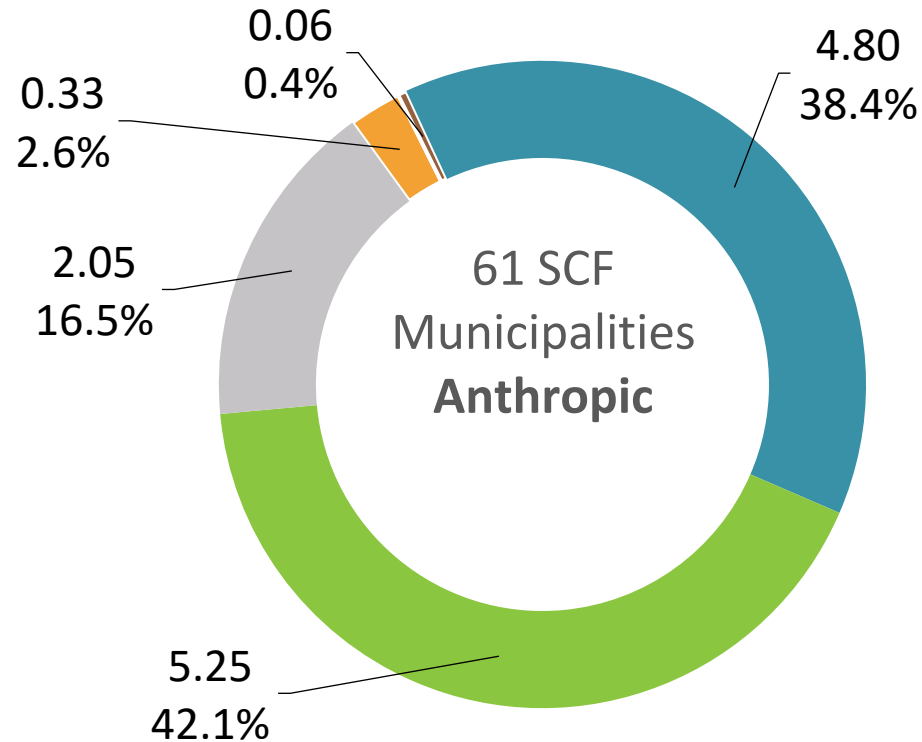


Soybean expansion from crop years 2013/14 to 2020/21 and associated land use changes



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

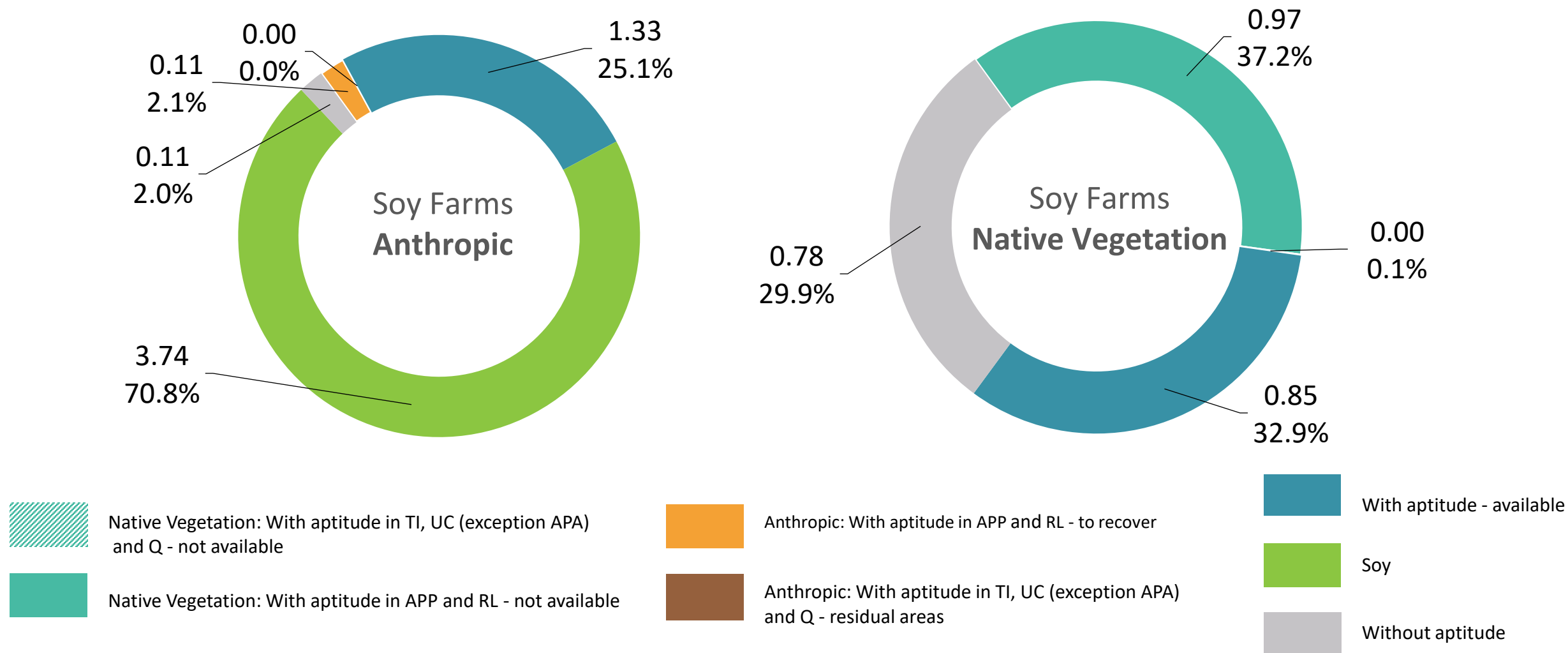


Without aptitude

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

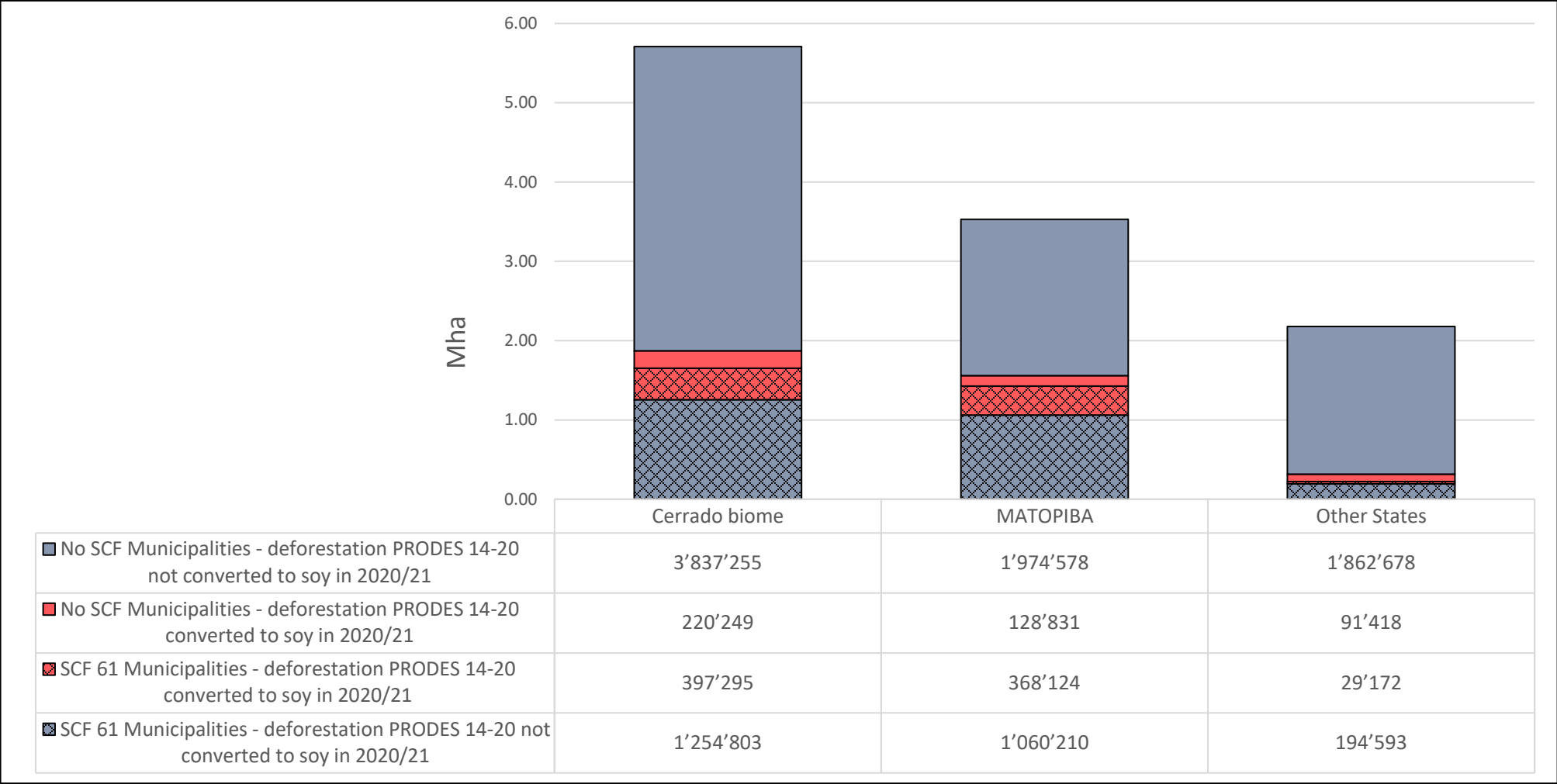
Area (Mha)



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 2020/21 ON TOP OF NATIVE VEGETATION | PRODES 2014-2020

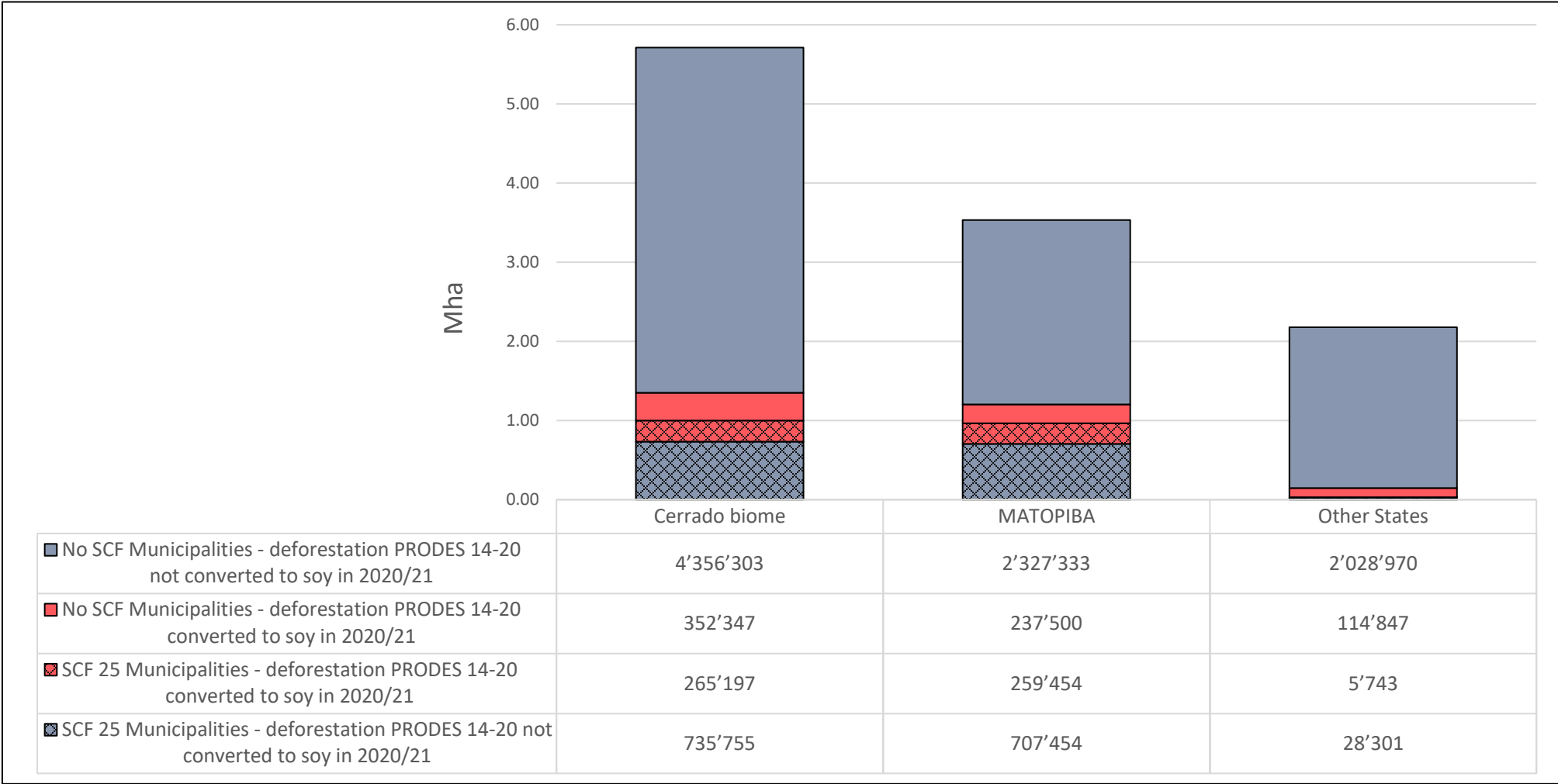
CERRADO, MATOPIBA and Other States vs. 61 SCF Municipalities



In the 61 SCF municipalities of the Cerrado Biome a total of 397,295 hectares of soy in 2020/21 (93% of it within the MATOPIBA) were on top of native vegetation deforested from 2014 to 2020 (7 years); in **no** SCF municipalities a total of 220,249 hectares of soy in crop year 2020/21 were on top of native vegetation deforested from 2014 to 2020.

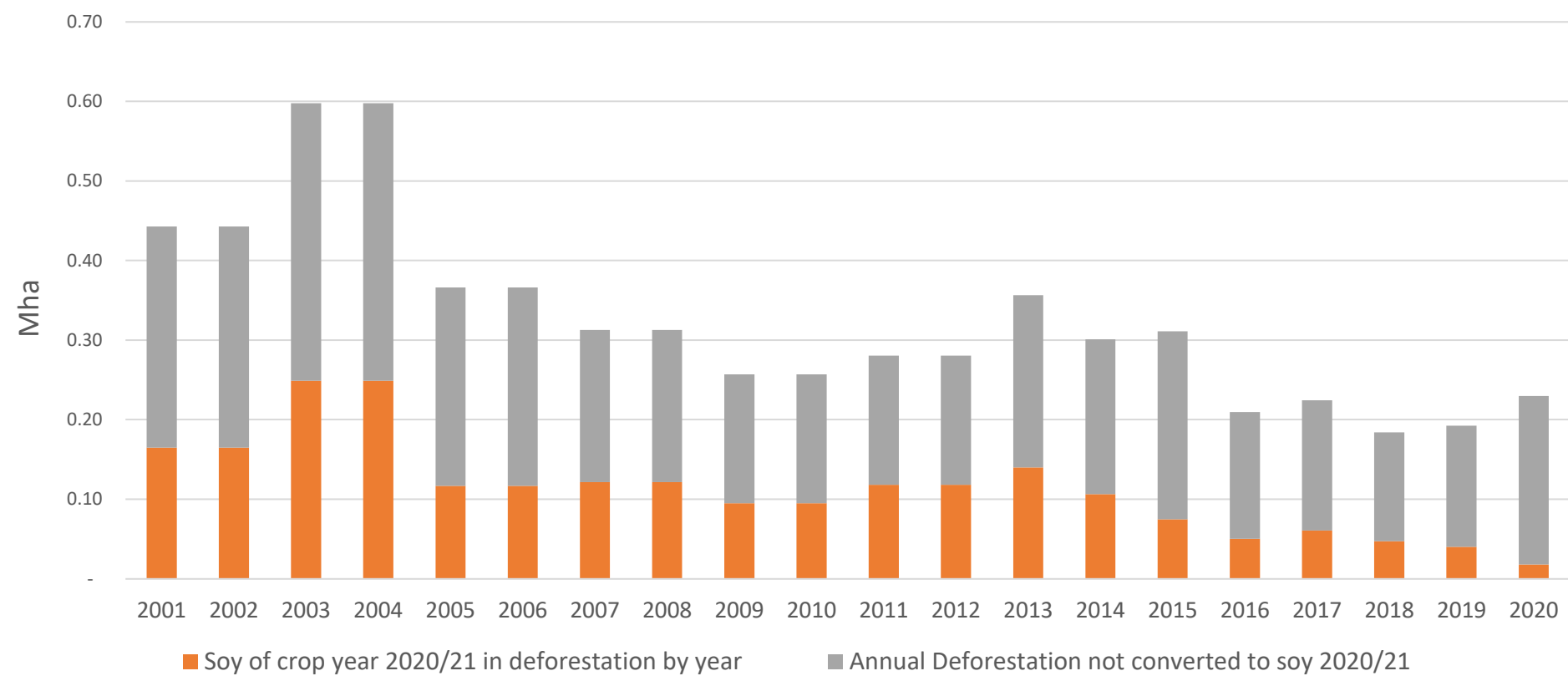
SOYBEAN OF CROP YEAR 2020/21 ON TOP OF NATIVE VEGETATION | PRODES 2014-2020

CERRADO, MATOPIBA and Other States vs. 25 SCF Municipalities



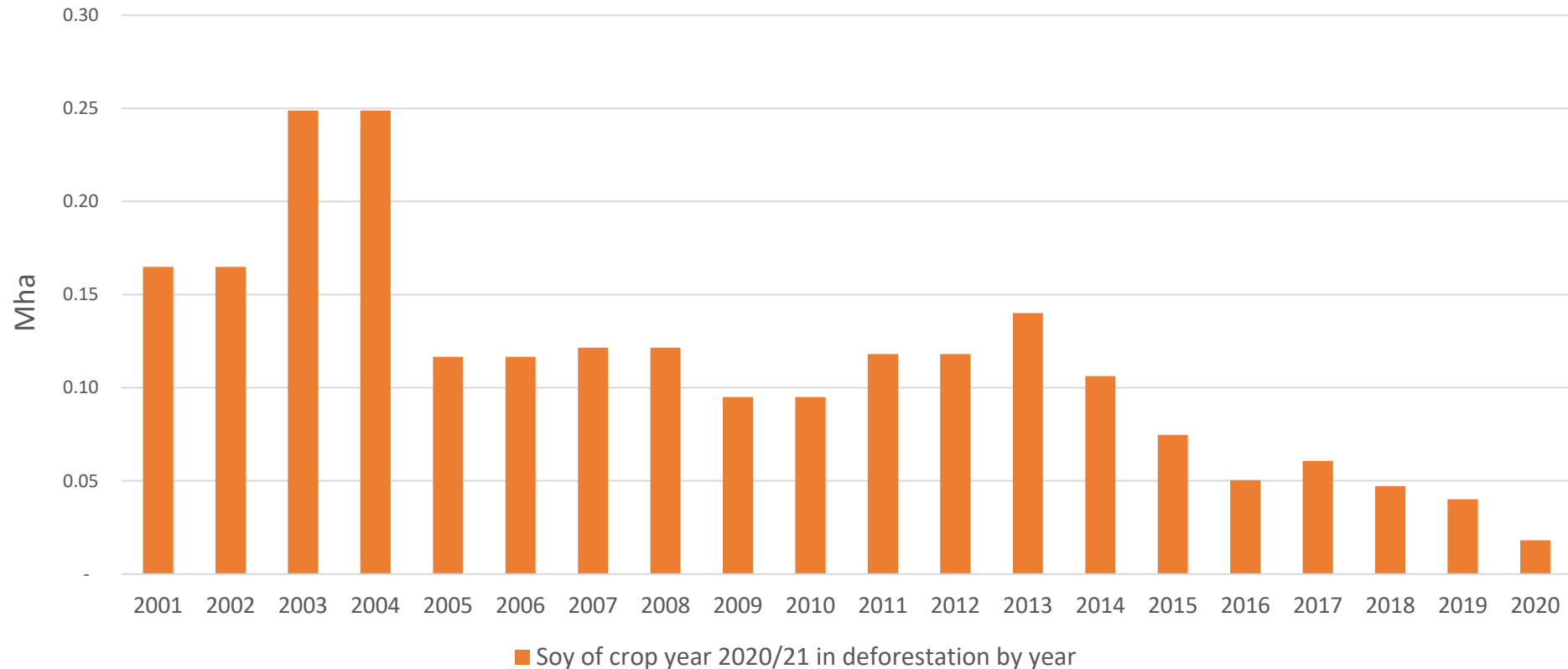
In the 25 SCF municipalities of the Cerrado Biome a total of 265,197 hectares of soy in 2020/21 (98% of it within the MATOPIBA) were on top of native vegetation deforested from 2014 to 2020 (7 years); in **no** SCF municipalities a total of 352,347 hectares of soy in crop year 2020/21 were on top of native vegetation deforested from 2014 to 2020.

61 SCF Municipalities



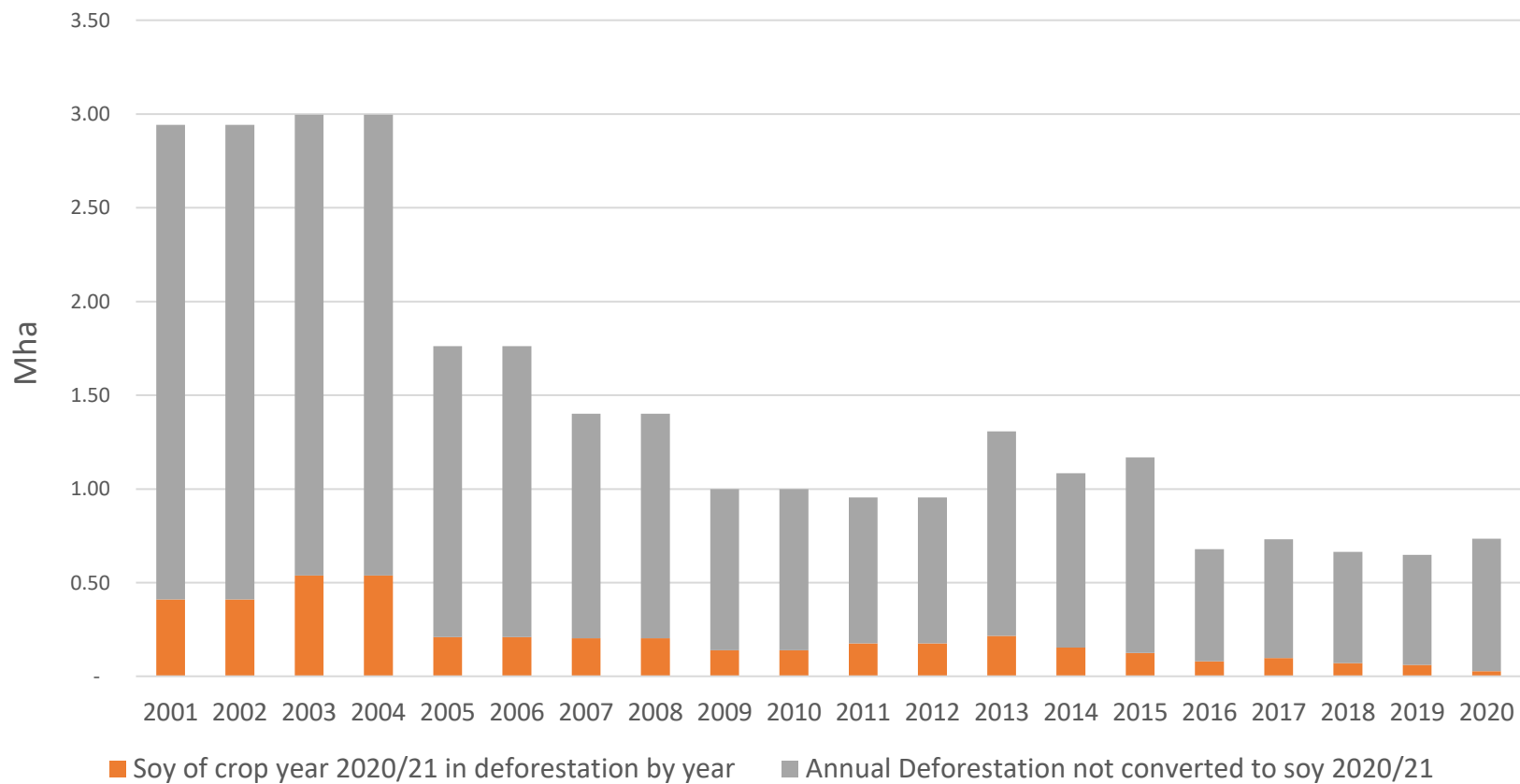
56.8% (2.98 million hectares) of soy in crop year 2020/21 was planted on land deforested prior to 2001

61 SCF Municipalities



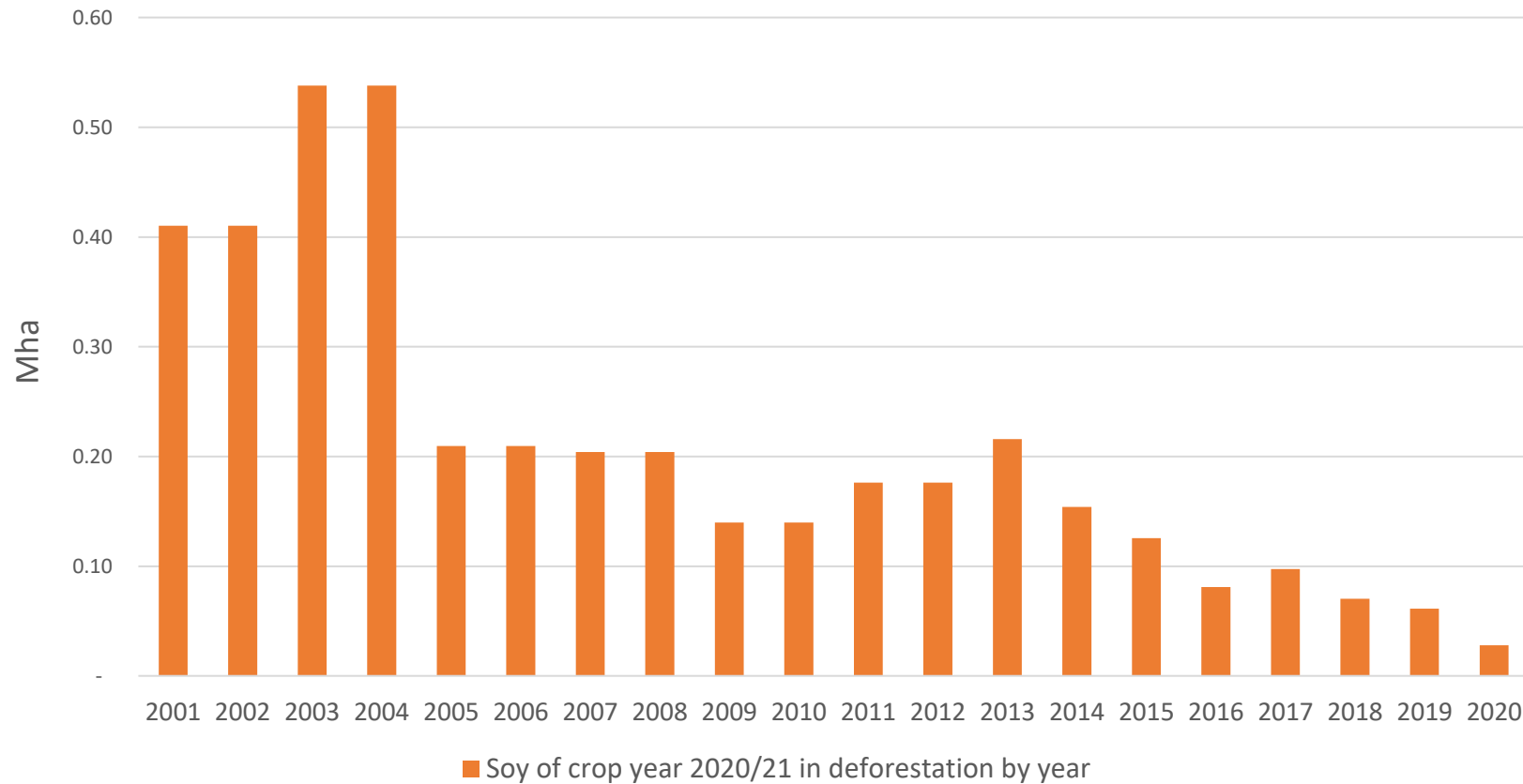
56.8% (2.98 million hectares) of soy in crop year 2020/21 was planted on land deforested prior to 2001

Cerrado Biome



79.1% (15.81 million hectares) of soy in crop year 2020/21 was planted on land deforested prior to 2001

Cerrado Biome



79.1% (15.81 million hectares) of soy in crop year 2020/21 was planted on land deforested prior to 2001

1) In terms of soy area:

- a) it increased by 1.17 Mha in the Cerrado with 0.35 Mha in the 61 SCF municipalities;
- b) the relative soy area increase in the Cerrado was 6.20% while in the 61 SCF municipalities it was 7.06%;

2) In terms of deforestation:

- a) it increased by 0.83 Mha in the Cerrado with 0.23 Mha in the 61 SCF municipalities;

3) In terms of NVC to soy:

- a) it increased by 0.14 Mha in the Cerrado with 0.09 Mha in the 61 SCF municipalities. From 2013/14 to 2019/20 the average NVC rate to soy was 0.08 Mha/yr in the Cerrado. However, for the period of 2013/14 to 2020/21 it increased to 0.09 Mha/yr due to the 0.14 Mha of NVC to soy observed in crop year 2020/21.

46 municipalities out of the 61 SCF municipalities are in the MATOPIBA region and they were responsible for 65.6% (89,755 ha) of the total NVC to soy in the Cerrado (136,910 ha) observed in crop year 2020/21. The remaining 15 SCF municipalities located in the Other States region were responsible for only 0,7% (1,003 ha) of the total NVC to soy in the Cerrado observed in crop year 2020/21; therefore, they were not relevant in terms of NVC to soy, in crop year 2020/21. In the remaining municipalities (no SCF municipalities) the NVC to soy was 23.1% (31,665 ha) in the MATOPIBA region and 10.6% (14,487 ha) in the Other States.

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