

# Alerta de desmatamento abril/8 julho 2020 Labgama/Ufac

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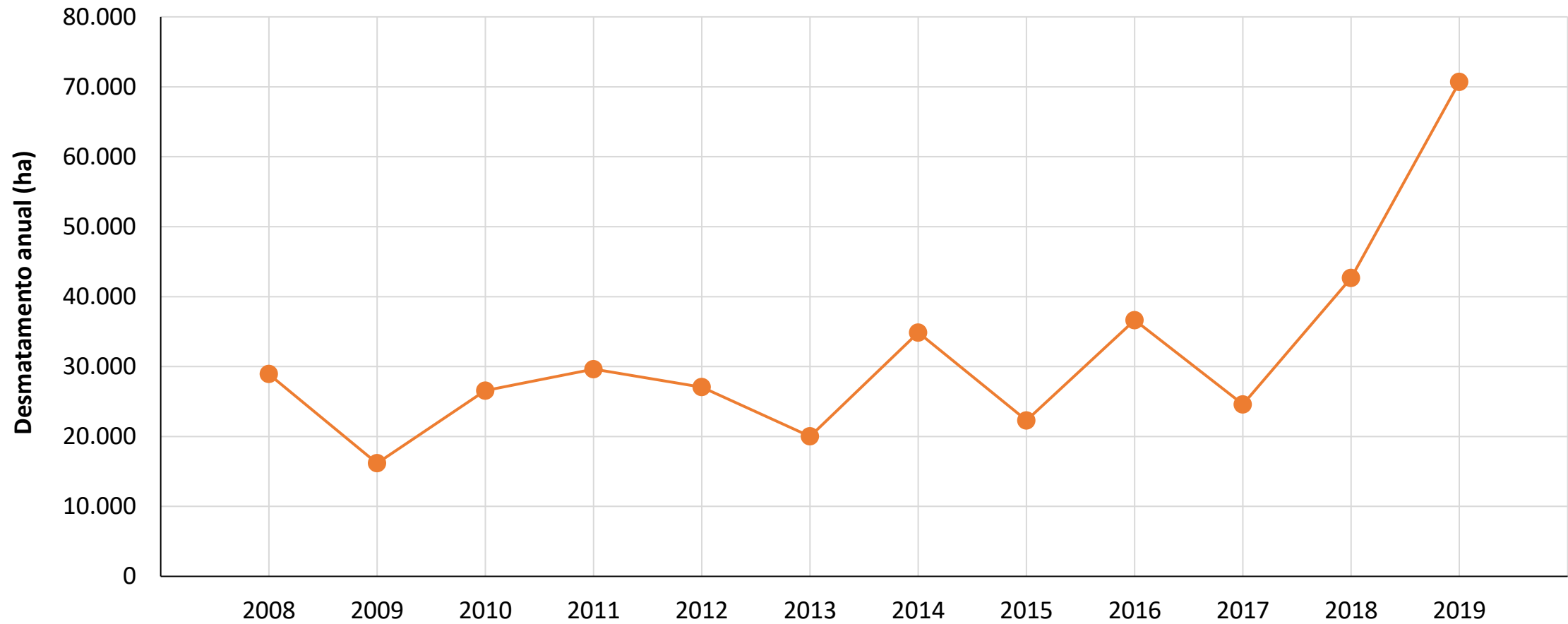
Profa. Sonaira Silva



**LAB GAMA**  
Laboratório de Geoprocessamento Aplicado ao Meio Ambiente

11/07/2020

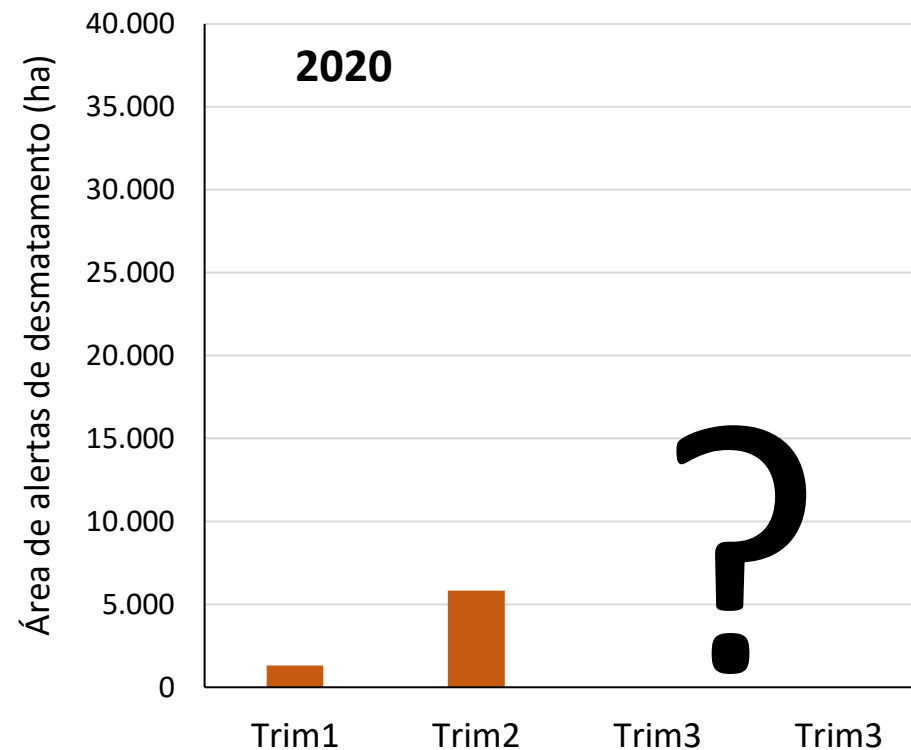
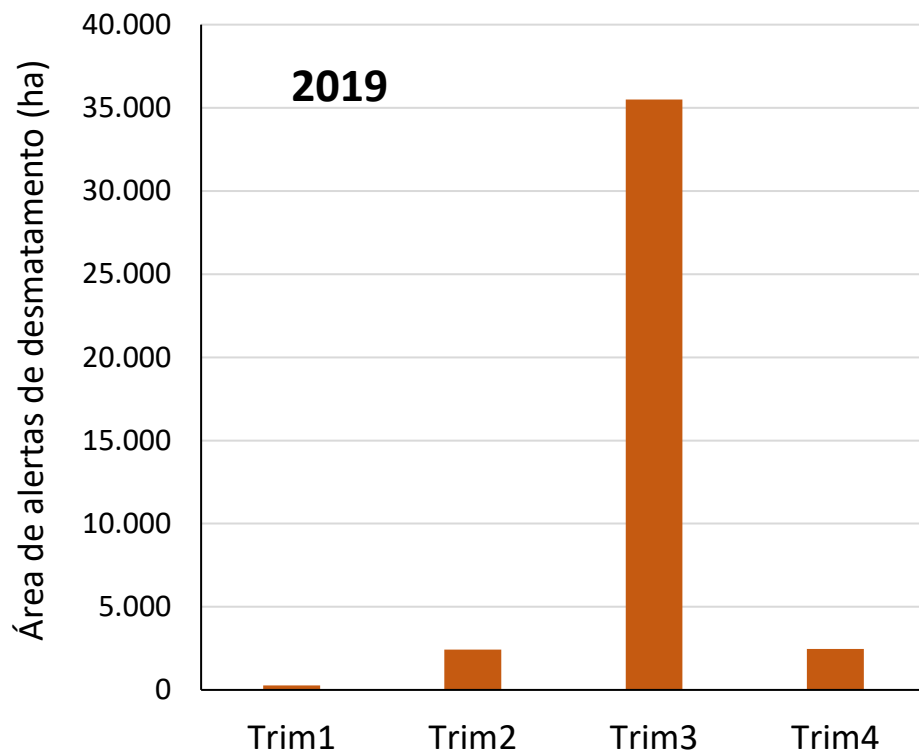
## Desmatamento anual PRODES/INPE



Fonte: <http://terrabilis.dpi.inpe.br/app/dashboard/deforestation/biomes/amazon/increments>

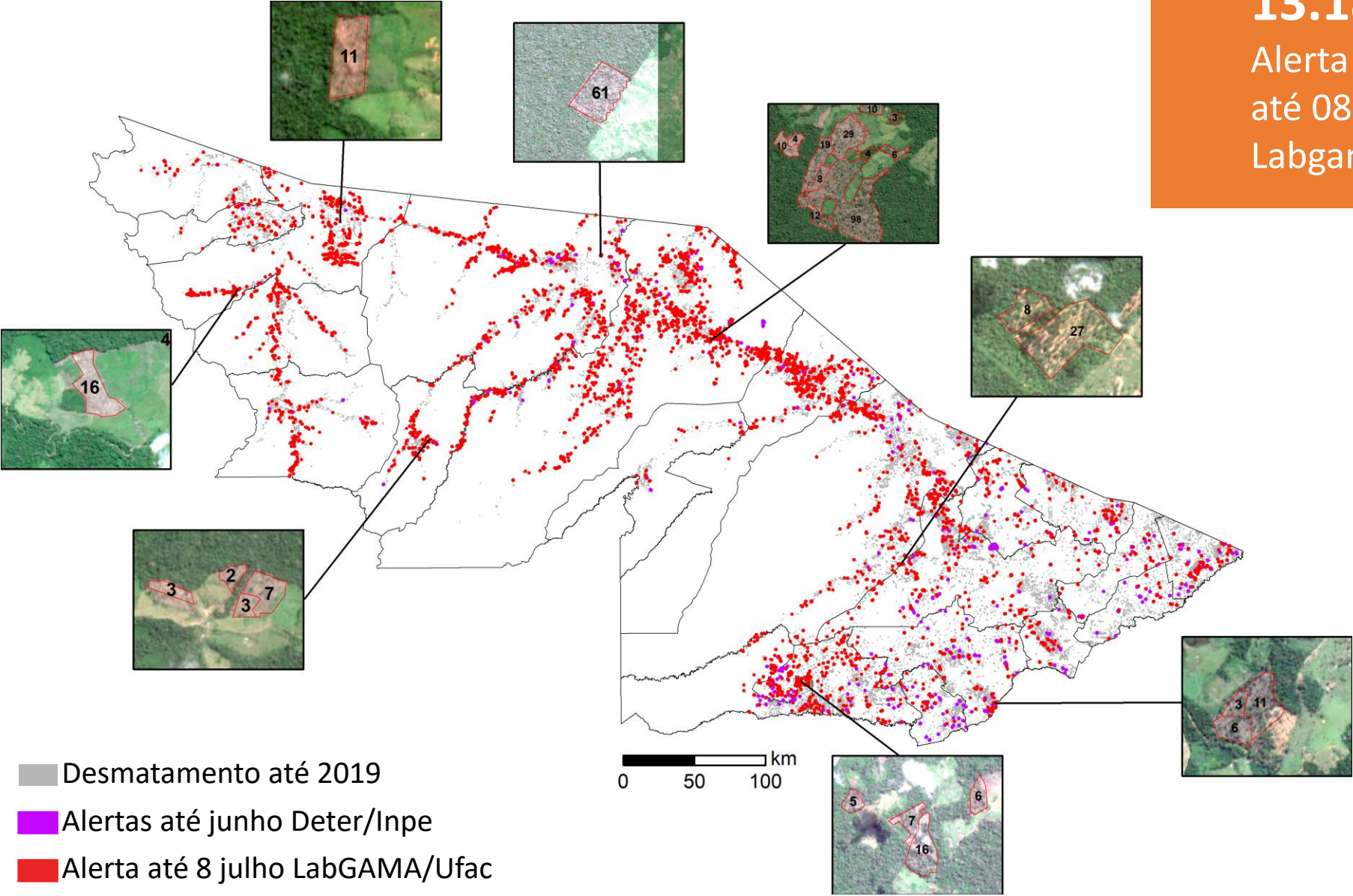
# Alertas de Desmatamento DETER/INPE

1º semestre de 2020 é  
165% maior  
que o mesmo período  
2019



# Alertas de Desmatamento LabGAMA/UfAC

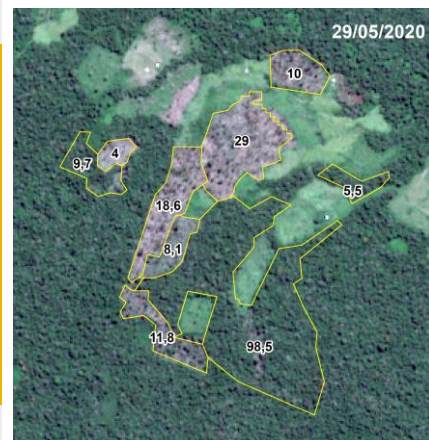
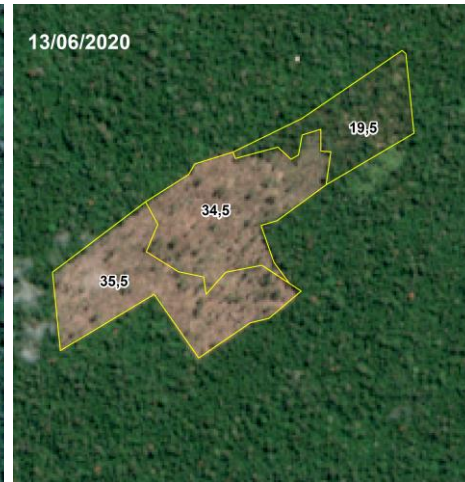
**13.189 ha**  
Alerta de desmatamento  
até 08 julho 2020  
Labgama/ufac



# Alerta de desmatamento maio/junho 2020

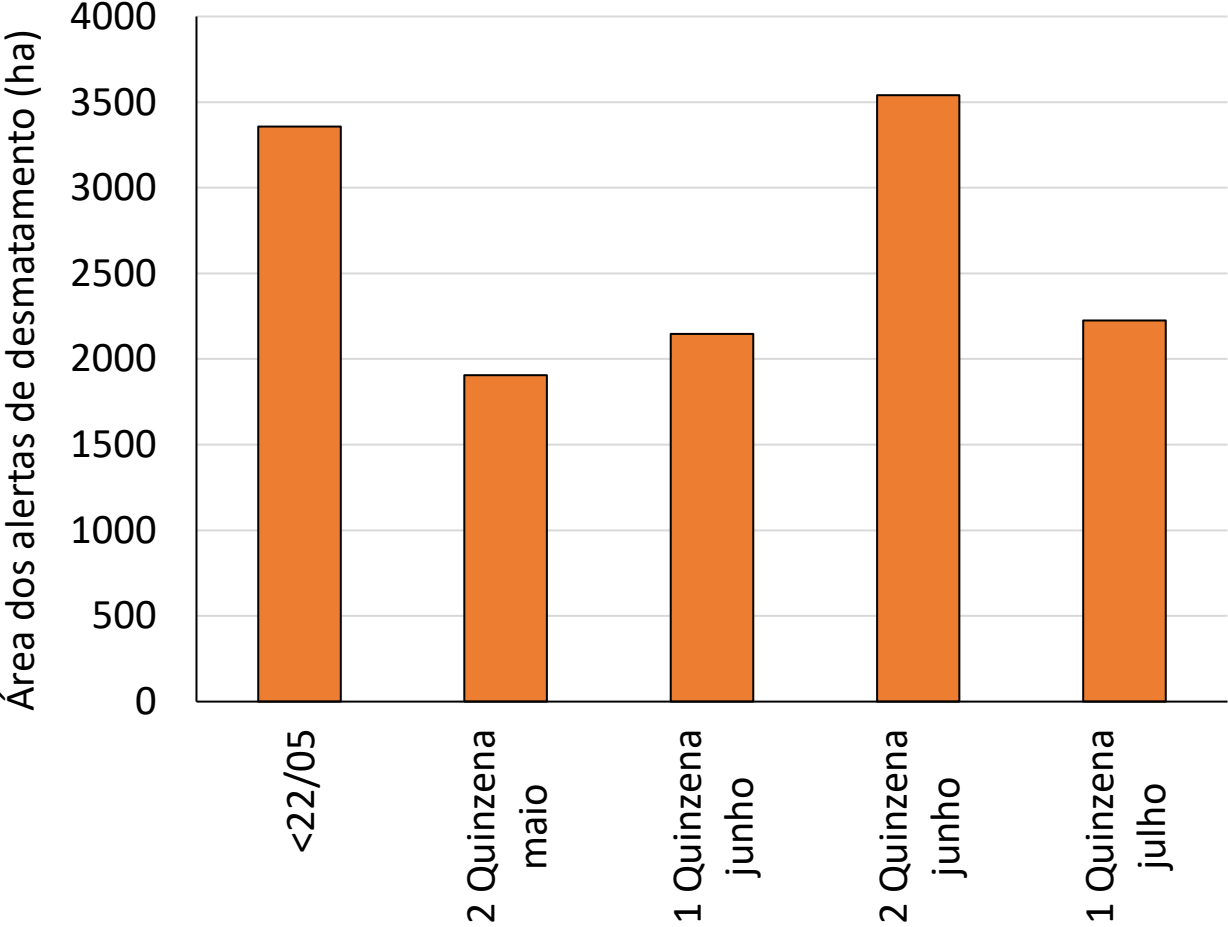
## Antes e Depois

Fonte: LabGAMA/Ufac

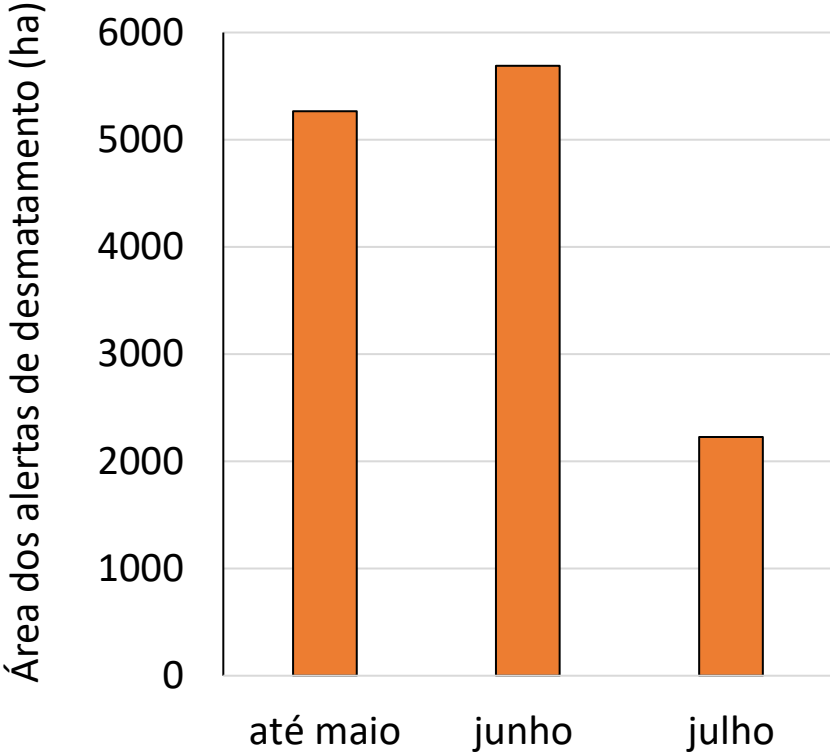


# Alertas de Desmatamento LabGAMA/UFAC

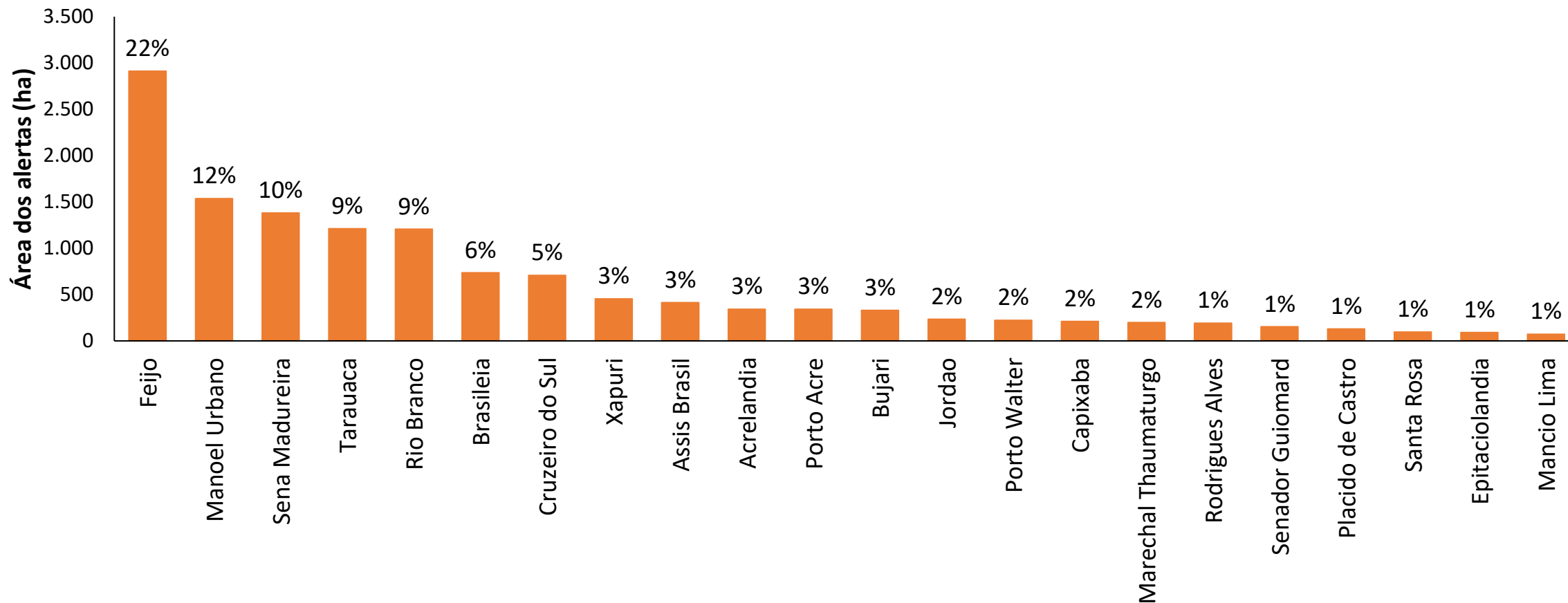
### Evolução quinzenal



### Evolução mensal

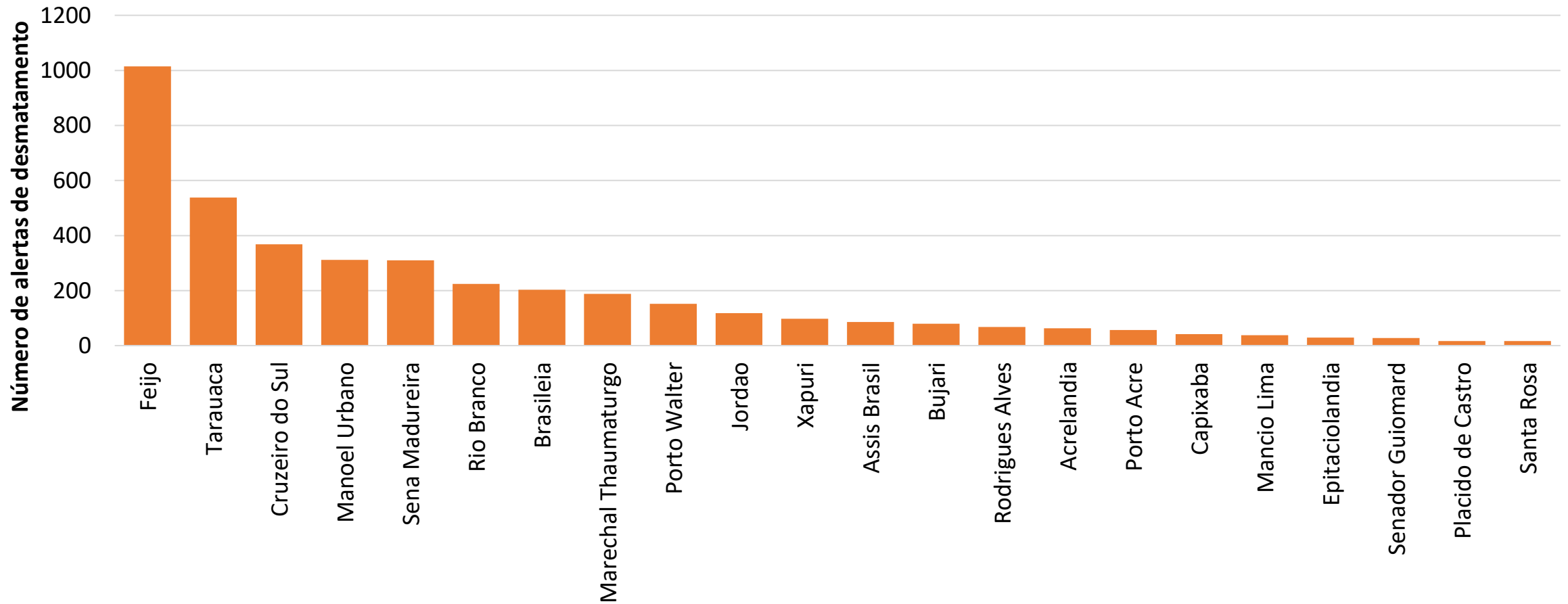


# Alerta de desmatamento por município até 08/julho2020



Fonte: LabGAMA/Ufac

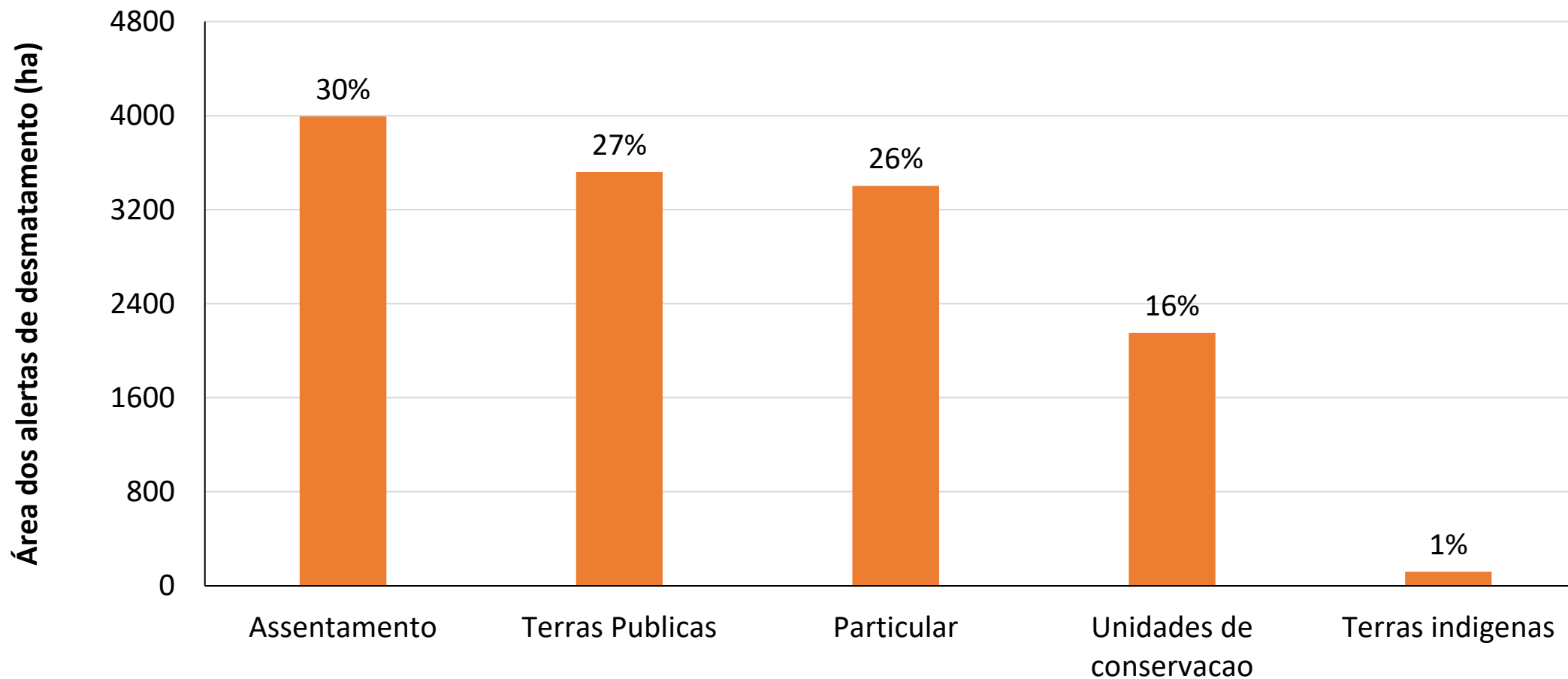
# Número de Alerta de desmatamento por município até 08 julho 2020



Fonte: LabGAMA/Ufac

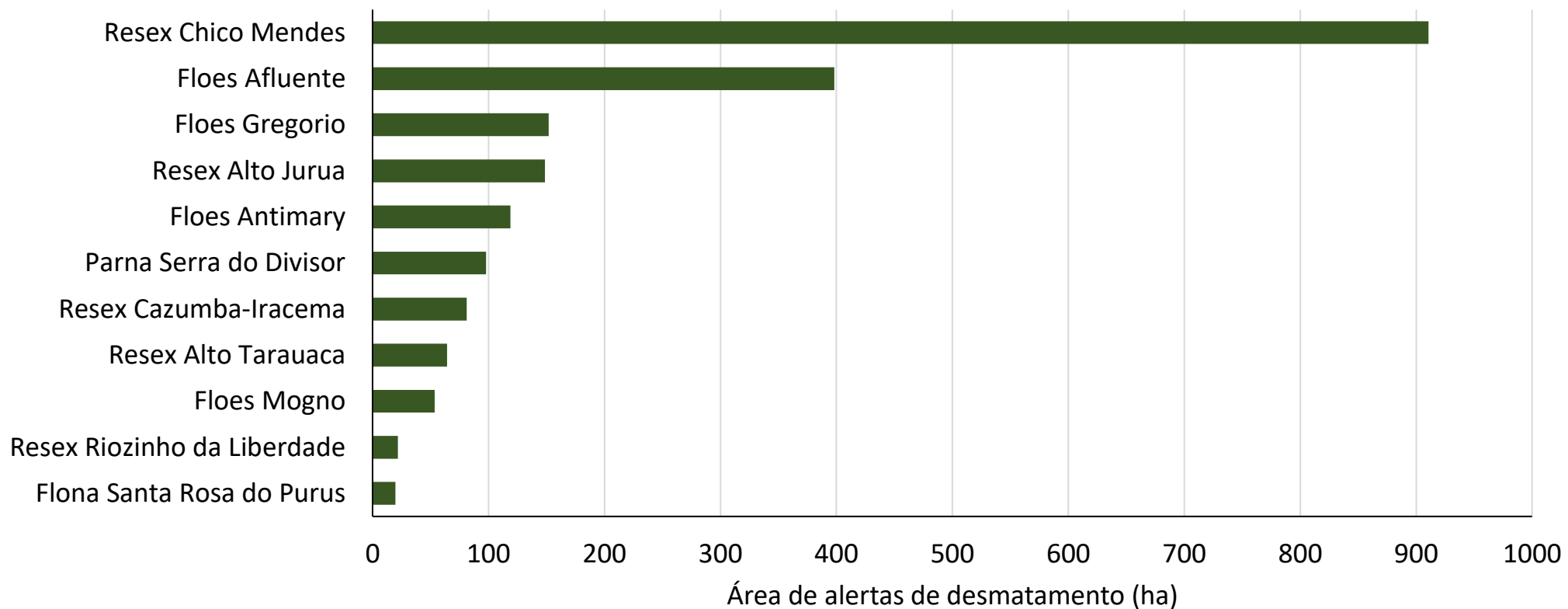


# Alerta de desmatamento por situação fundiária até 8 julho 2020



Fonte: Desmatamento - LabGAMA/Ufac  
Situação fundiária ZEE/2010

## UC com mais alertas de desmatamento até 8 julho 2020



Fonte: Desmatamento - LabGAMA/Ufac  
Situação fundiária ZEE/2010

# Imagens de satélite utilizadas

- CBERS\_4\_MUX\_20200424\_179\_111\_L4\_[-67.807238,-10.46995,-66.477049,-9.238558]\_BAND7-BAND6-BAND5-BAND8
- CBERS\_4\_MUX\_20200424\_179\_111\_L4\_[-67.807238,-10.46995,-66.477049,-9.238558]\_BAND7-BAND6-BAND5-BAND8
- CBERS\_4\_MUX\_20200517\_180\_111\_L4\_[-68.771432,-10.470087,-67.441686,-9.238701]\_BAND7-BAND6-BAND5-BAND8
- CBERS\_4\_MUX\_20200517\_180\_112\_L4\_[-68.975063,-11.365624,-67.641036,-10.133836]\_BAND7-BAND6-BAND5-BAND8
- CBERS\_4\_MUX\_20200525\_186\_108\_L4\_[-73.956091,-7.783338,-72.63687,-6.55274]\_BAND7-BAND6-BAND5-BAND8
- LC08\_L1TP\_001067\_20200508\_20200508\_01\_RT\_[-67.80183,-11.17407,-65.72084,-9.07606]\_B4-B3-B2-B5-B6
- LC08\_L1TP\_002067\_20200429\_20200429\_01\_RT\_[-69.33526,-11.17325,-67.2557,-9.07631]\_B4-B3-B2-B5-B6
- LC08\_L1TP\_003066\_20200522\_20200522\_01\_RT\_[-70.55688,-9.72863,-68.48596,-7.63077]\_B4-B3-B2-B5-B6
- LC08\_L1TP\_003067\_20200420\_20200420\_01\_RT\_[-70.8751,-11.1733,-68.79562,-9.07633]\_B4-B3-B2-B5-B6
- LC08\_L1TP\_003067\_20200522\_20200522\_01\_RT\_[-70.87509,-11.17377,-68.7945,-9.07579]\_B4-B3-B2-B5-B6
- LC08\_L1TP\_003068\_20200420\_20200420\_01\_RT\_[-71.19506,-12.61873,-69.10436,-10.5216]\_B4-B3-B2-B5-B6
- S2A\_tile\_20200422\_18LYQ\_0\_[-73.18083394557516,-10.03429393602946,-72.17446353822302,-9.035385059038568]\_B04-B03-B02-B08
- S2A\_tile\_20200509\_19LBL\_0\_[-71.61150737158685,-9.13106939738126,-70.72649079400308,-8.135035195187298]\_B04-B03-B02-B08
- S2A\_tile\_20200509\_19LCK\_0\_[-70.824783084751,-10.038290779065276,-69.82072626693265,-9.041694532810924]\_B04-B03-B02-B08
- S2A\_tile\_20200509\_19LCL\_0\_[-70.8199606034249,-9.134266956934274,-69.81878421394073,-8.137985526549349]\_B04-B03-B02-B08
- S2A\_tile\_20200509\_19LDJ\_0\_[-69.91552716849127,-10.943802883849274,-69.0526728208373,-9.949629240029934]\_B04-B03-B02-B08
- S2A\_tile\_20200509\_19LDL\_0\_[-69.91045817897725,-9.135184004932336,-68.91117920540773,-8.141027657537133]\_B04-B03-B02-B08
- S2A\_tile\_20200516\_19LFK\_0\_[-68.0901122560011,-10.038056782401728,-67.08583577885257,-9.041241410294564]\_B04-B03-B02-B08
- S2A\_tile\_20200519\_19LDJ\_0\_[-69.91552716849127,-10.943801499116134,-69.05367647274022,-9.949629240029934]\_B04-B03-B02-B08
- S2A\_tile\_20200522\_18LZQ\_0\_[-72.27148264318505,-10.02802393487254,-71.36905840537158,-9.028232888028274]\_B04-B03-B02-B08
- S2A\_tile\_20200522\_18LZR\_0\_[-72.27793018572382,-9.124940692148277,-71.27819918574036,-8.12503165430666]\_B04-B03-B02-B08
- S2A\_tile\_20200522\_18MZS\_0\_[-72.28368115910301,-8.221265441855989,-71.28203266446738,-7.222193160799602]\_B04-B03-B02-B08
- S2B\_tile\_20200401\_19LGK\_0\_[-67.18083394557515,-10.03429393602946,-66.3132431204904,-9.036365386934529]\_B04-B03-B02-B08
- S2B\_tile\_20200417\_18MYS\_0\_[-73.18897377022002,-8.22638904446625,-72.18865598707241,-7.228658680696897]\_B04-B03-B02-B08
- S2B\_tile\_20200418\_19LGK\_0\_[-66.76168926936505,-10.0317591187259,-66.17446353822301,-9.035385059038568]\_B04-B03-B02-B08
- S2B\_tile\_20200511\_19LEJ\_0\_[-69.0001738900609,-10.94392313853465,-67.99534434842198,-9.949375005984479]\_B04-B03-B02
- S2B\_tile\_20200517\_18LYQ\_0\_[-73.18083394557516,-10.03429393602946,-72.17446353822302,-9.035385059038568]\_B04-B03-B02-B08

# Imagens de satélite utilizadas

- S2B\_tile\_20200517\_18LYR\_0\_[-73.18513627260444,-9.130636283765849,-72.18192375126512,-8.132315356166833]\_B04-B03-B02-B08
- S2B\_tile\_20200517\_18LZQ\_0\_[-72.27148264318505,-10.02802393487254,-71.35416687739463,-9.028085170958228]\_B04-B03-B02-B08
- S2B\_tile\_20200517\_18MYS\_0\_[-73.18897377022002,-8.22638904446625,-72.18865598707241,-7.228658680696897]\_B04-B03-B02-B08
- S2B\_tile\_20200517\_18MZS\_0\_[-72.28368115910301,-8.221265441855989,-71.28203266446738,-7.222193160799602]\_B04-B03-B02-B08
- S2B\_tile\_20200521\_19LFK\_0\_[-68.0901122560011,-10.038056782401728,-67.08583577885257,-9.041241410294564]\_B04-B03-B02-B08
- S2A\_tile\_20200522\_18LZQ\_0\_[-72.27148264318505,-10.02802393487254,-71.36905840537158,-9.028232888028274]\_B04-B03-B02-B08.TIF
- S2A\_tile\_20200522\_18LZR\_0\_[-72.27793018572382,-9.124940692148277,-71.27819918574036,-8.12503165430666]\_B04-B03-B02-B08.TIF
- S2A\_tile\_20200522\_18MZS\_0\_[-72.28368115910301,-8.221265441855989,-71.28203266446738,-7.222193160799602]\_B04-B03-B02-B08.TIF
- S2A\_tile\_20200526\_19LGK\_0\_[-67.18083394557515,-10.03429393602946,-66.33487505325095,-9.036523244613592]\_B04-B03-B02.TIF
- S2A\_tile\_20200526\_19LDJ\_0\_[-69.5130253181173,-10.943910078451896,-68.91068461115755,-9.950753766077376]\_B04-B03-B02
- S2A\_tile\_20200526\_19LDK\_0\_[-69.3042103023977,-10.03930031682981,-68.91094369188973,-9.046198951139669]\_B04-B03-B02-B08
- S2A\_tile\_20200526\_19LEJ\_0\_[-69.0001738900609,-10.94392313853465,-67.99534434842198,-9.949375005984479]\_B04-B03-B02
- S2A\_tile\_20200526\_19LEK\_0\_[-69.00017338565021,-10.03931227485262,-67.99825800339511,-9.04484893935142]\_B04-B03-B02
- S2A\_tile\_20200526\_19LFJ\_0\_[-68.08772136512071,-10.942551939489968,-67.08027128421715,-9.945399966225072]\_B04-B03-B02
- S2A\_tile\_20200526\_19LFK\_0\_[-68.0901122560011,-10.038056782401728,-67.08583577885257,-9.041241410294564]\_B04-B03-B02
- S2A\_tile\_20200526\_19LGI\_0\_[-67.17605618328966,-10.938442313883733,-66.53457684662341,-9.941788309867515]\_B04-B03-B02.TIF
- S2B\_tile\_20200527\_19MBM\_0\_[-71.72301413046442,-8.224578412006721,-70.96242184615852,-7.229192683647336]\_B04-B03-B02-B08
- S2B\_tile\_20200527\_18MYS\_0\_[-73.18897377022002,-8.22638904446625,-72.18865598707241,-7.228658680696897]\_B04-B03-B02-B08
- S2B\_tile\_20200527\_18LYR\_0\_[-73.18513627260444,-9.130636283765849,-72.18192375126512,-8.132315356166833]\_B04-B03-B02-B08
- LC08\_L1TP\_004065\_20200529\_20200529\_01\_RT\_[-71.77704,-8.2831,-69.71451,-6.18538]\_B4-B3-B2-B5-B6
- LC08\_L1TP\_004066\_20200529\_20200529\_01\_RT\_[-72.09286,-9.72856,-70.02214,-7.63078]\_B4-B3-B2-B5-B6
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- S2A\_tile\_20200529\_19LBL\_0\_[-71.61241661405839,-9.13106939738126,-70.72649079400308,-8.135027733677287]\_B04-B03-B02
- S2A\_tile\_20200529\_19LCK\_0\_[-70.824783084751,-10.038290779065276,-69.82072626693265,-9.041694532810924]\_B04-B03-B02
- S2A\_tile\_20200529\_19LCL\_0\_[-70.8199606034249,-9.134266956934274,-69.81878421394073,-8.137985526549349]\_B04-B03-B02
- S2A\_tile\_20200529\_19LDH\_0\_[-69.91842598887108,-11.848087601810303,-69.25282975909381,-10.854129373371773]\_B04-B03-B02
- S2A\_tile\_20200529\_19LDJ\_0\_[-69.91552716849127,-10.943801825642593,-69.05340276135111,-9.949629240029934]\_B04-B03-B02
- S2A\_tile\_20200529\_19LDK\_0\_[-69.91287190785916,-10.039304292912757,-68.91113706869756,-9.045079668036918]\_B04-B03-B02
- S2A\_tile\_20200529\_19LDL\_0\_[-69.91045817897725,-9.135184004932336,-68.91117920540773,-8.141027657537133]\_B04-B03-B02
- S2A\_tile\_20200529\_19MBM\_0\_[-71.4067997187611,-8.226778661331236,-70.72283992807132,-7.232063975421262]\_B04-B03-B02
- S2A\_tile\_20200529\_19MCM\_0\_[-70.81560873698726,-8.229655093564684,-69.81705198927398,-7.233691901356847]\_B04-B03-B02
- LC08\_L1TP\_002067\_20200531\_20200531\_01\_RT\_[-69.32296,-11.17418,-67.24232,-9.07618]\_B4-B3-B2-B5-B6
- LC08\_L1TP\_002068\_20200531\_20200531\_01\_RT\_[-69.64387,-12.61896,-67.55191,-10.52081]\_B4-B3-B2-B5-B6
- S2B\_tile\_20200531\_19LDJ\_0\_[-69.50259230264523,-10.943910078451896,-68.91068461115755,-9.950762587098975]\_B04-B03-B02
- S2B\_tile\_20200531\_19LEJ\_0\_[-69.0001738900609,-10.94392313853465,-67.99534434842198,-9.949375005984479]\_B04-B03-B02
- S2B\_tile\_20200531\_19LEK\_0\_[-69.00017338565021,-10.03931227485262,-67.99825800339511,-9.04484893935142]\_B04-B03-B02
- S2B\_tile\_20200531\_19LFJ\_0\_[-68.08772136512071,-10.942551939489968,-67.08027128421715,-9.945399966225072]\_B04-B03-B02
- S2B\_tile\_20200531\_19LFK\_0\_[-68.0901122560011,-10.038056782401728,-67.08583577885257,-9.041241410294564]\_B04-B03-B02



# Imagens de satélite utilizadas

- S2A\_tile\_20200608\_19MCM\_0\_[-70.81560873698726,-8.229655093564684,-69.81705198927398,-7.233691901356847]\_B04-B03-B02
- S2A\_tile\_20200611\_18LYQ\_0\_[-73.18083394557516,-10.03429393602946,-72.17446353822302,-9.035385059038568]\_B04-B03-B02-B08
- S2A\_tile\_20200611\_18LYR\_0\_[-73.18513627260444,-9.130636283765849,-72.18192375126512,-8.132315356166833]\_B04-B03-B02-B08
- S2A\_tile\_20200611\_18LYR\_0\_[-73.18513627260444,-9.130636283765849,-72.18192375126512,-8.132315356166833]\_B04-B03-B02-B08
- S2A\_tile\_20200611\_18MXS\_0\_[-73.9224566165826,-8.229044788649011,-73.09545885421186,-7.233330435534534]\_B04-B03-B02-B08
- S2A\_tile\_20200611\_18MYS\_0\_[-73.18897377022002,-8.22638904446625,-72.18865598707241,-7.228658680696897]\_B04-B03-B02-B8A
- S2A\_tile\_20200611\_18MZS\_0\_[-72.28368115910301,-8.221265441855989,-71.28203266446738,-7.222193160799602]\_B04-B03-B02
- S2A\_tile\_20200611\_19LBL\_0\_[-71.72953549559729,-9.127353069829281,-71.1694197424998,-8.132916935953398]\_B04-B03-B02-B08
- S2A\_tile\_20200611\_19MBM\_0\_[-71.72301413046442,-8.224528109721499,-70.97102230848927,-7.229192683647336]\_B04-B03-B02-B08
- S2B\_tile\_20200613\_19LDK\_0\_[-69.91287190785916,-10.039306783670495,-68.91112236052156,-9.045079668036918]\_B04-B03-B02
- S2B\_tile\_20200613\_19LDL\_0\_[-69.91045817897725,-9.135184004932336,-68.91117920540773,-8.141027657537133]\_B04-B03-B02
- S2B\_tile\_20200613\_19MCM\_0\_[-70.81560873698726,-8.229655093564684,-69.81705198927398,-7.233691901356847]\_B04-B03-B02
- S2A\_tile\_20200615\_19LDH\_0\_[-69.71772337241914,-11.848466363559409,-68.91040176522905,-10.85510339170263]\_B04-B03-B02
- S2A\_tile\_20200615\_19LDJ\_0\_[-69.50826657421821,-10.943910078451896,-68.91068461115755,-9.950757151270187]\_B04-B03-B02
- S2A\_tile\_20200615\_19LDK\_0\_[-69.3003774674533,-10.03930031682981,-68.91094369188973,-9.046198951139669]\_B04
- S2A\_tile\_20200615\_19LEH\_0\_[-69.00017444074064,-11.848480532136831,-67.9921634329058,-10.85385150960234]\_B04-B03-B02
- S2A\_tile\_20200615\_19LEJ\_0\_[-69.0001738900609,-10.94392313853465,-67.99534434842198,-9.949375005984479]\_B04-B03-B02
- S2A\_tile\_20200615\_19LEK\_0\_[-69.00017338565021,-10.03931227485262,-67.99825800339511,-9.04484893935142]\_B04-B03-B02
- S2A\_tile\_20200615\_19LEL\_0\_[-69.00017292712312,-9.135194867406586,-68.00090662293165,-8.140820307972684]\_B04-B03-B02
- S2A\_tile\_20200615\_19LFJ\_0\_[-68.08772136512071,-10.942551939489968,-67.08027128421715,-9.945399966225072]\_B04-B03-B02
- S2A\_tile\_20200615\_19LFK\_0\_[-68.0901122560011,-10.038056782401728,-67.08583577885257,-9.041241410294564]\_B04-B03-B02
- S2A\_tile\_20200615\_19LGJ\_0\_[-67.17605618328966,-10.938442313883733,-66.52983755053947,-9.941753348143514]\_B04-B03-B02
- S2A\_tile\_20200615\_19L GK\_0\_[-67.18083394557515,-10.03429393602946,-66.33069395118657,-9.036492832710298]\_B04-B03-B02
- S2B\_tile\_20200616\_18LZP\_0\_[-72.26432265006265,-10.931594496928058,-71.55475334478086,-9.933133172332006]\_B04-B03-B02
- S2B\_tile\_20200616\_18LZR\_0\_[-72.27793018572382,-9.124940692148277,-71.27763008169848,-8.12503165430666]\_B04
- S2B\_tile\_20200616\_18MYS\_0\_[-73.18897377022002,-8.22638904446625,-72.18865598707241,-7.228658680696897]\_B04-B03-B02
- S2A\_tile\_20200618\_19LBL\_0\_[-71.60750710242019,-9.13106939738126,-70.72649079400308,-8.13505649041201]\_B04-B03-B02
- S2A\_tile\_20200618\_19LCK\_0\_[-70.824783084751,-10.038290779065276,-69.82072626693265,-9.041694532810924]\_B04-B03-B02
- S2A\_tile\_20200618\_19LCL\_0\_[-70.8199606034249,-9.134266956934274,-69.81878421394073,-8.137985526549349]\_B04-B03-B02
- S2A\_tile\_20200618\_19LDJ\_0\_[-69.91552716849127,-10.943805950137596,-69.04838513614006,-9.949629240029934]\_B04-B03-B02
- S2A\_tile\_20200618\_19LDK\_0\_[-69.91287190785916,-10.039305393392455,-68.91113135505219,-9.045079668036918]\_B04-B03-B02
- S2A\_tile\_20200618\_19LDL\_0\_[-69.91045817897725,-9.135184004932336,-68.91117920540773,-8.141027657537133]\_B04-B03-B02
- S2A\_tile\_20200618\_19MBM\_0\_[-71.40208253219681,-8.226778661331236,-70.72283992807132,-7.232087369997388]\_B04-B03-B02
- S2A\_tile\_20200618\_19MCM\_0\_[-70.81560873698726,-8.229655093564684,-69.81705198927398,-7.233691901356847]\_B04
- S2A\_tile\_20200621\_18LYR\_0\_[-73.18513627260444,-9.130636283765849,-72.18192375126512,-8.132315356166833]\_B04
- S2A\_tile\_20200621\_18LZQ\_0\_[-72.27148264318505,-10.02802393487254,-71.3621573872159,-9.028164508205213]
- S2A\_tile\_20200621\_18LZR\_0\_[-72.27793018572382,-9.124940692148277,-71.27789188890631,-8.12503165430666]
- S2A\_tile\_20200621\_18MYS\_0\_[-73.18897377022002,-8.22638904446625,-72.18865598707241,-7.228658680696897]\_B04-