

## Nota Técnica

Para o zoneamento da cultura do tomate em Santa Catarina, utilizou-se dados de 26 estações agrometeorológicas, com períodos de observação variáveis de 10 a 30 anos, para montar uma série histórica de dados que representem o clima nas diversas regiões do Estado. Os índices utilizados para delimitar as regiões de aptidão do tomate foram determinados por meio de revisão bibliográfica juntamente com as respostas biológicas observadas por técnicos da Epagri, em sua Rede Experimental, no período de 1970 a 2000. Para se chegar aos períodos favoráveis de semeadura os índices adotados foram calculados decendialmente. Utilizou-se o software ZonExpert 1.0 desenvolvido por Pandolfo et al. 1999, como ferramenta auxiliar para o cálculo e estimativa das variáveis climatológicas e cruzamento com os critérios da cultura. O princípio de funcionamento do ZonExpert 1.0 é de simular o crescimento e desenvolvimento de uma determinada cultura em períodos de 10 dias (decêndios), de acordo com as condições climáticas observadas e/ou estimadas de uma determinada região e as necessidades climáticas da cultura a ser zoneada. Na simulação, o sistema analisa as exigências climáticas da cultura, para cada estágio, com as condições climáticas prováveis da região, que ocorrerão quando a planta atingir o estágio que está sendo analisado. Caso as condições climáticas do local atendam as exigências da cultura, o sistema aprova o decêndio para aquele local específico e inicia simulação para o próximo decêndio. Quando essas exigências da cultura não forem satisfeitas, o sistema considera o decêndio não recomendado para a semeadura. Desta forma, o sistema faz a inferência para todos os pontos contidos nele, do 1º ao 36º decêndio. As variáveis climáticas pertinentes aos critérios modelados para a cultura do tomate foram:

- O ciclo total da cultura foi fixado como sendo de 100 dias (10 decêndios);
- A média das temperaturas médias durante o ciclo deve ser igual ou superior a 17,5°C e inferior a 25,5°C;
- Não deve ocorrer geada durante o ciclo.

PANDOLFO, C.; HAMMES, L. A.; BRAGA, H. J Zoneamento agrícola considerando os riscos climáticos para a cultura do tomate em Santa Catarina: Estudo preliminar. Florianópolis – SC: Epagri, 2005.

## Municípios Recomendados

|                                |                                                                   |
|--------------------------------|-------------------------------------------------------------------|
| 1 - Abdon Batista              | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 2 - Abelardo Luz               | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 3 - Agrolândia                 | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 4 - Agronômica                 | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 5 - Água Doce                  | 29, 30, 31, 32, 33, 34                                            |
| 6 - Águas de Chapecó           | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 7 - Águas Frias                | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 8 - Águas Mornas               | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 9 - Alfredo Wagner             | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 10 - Alto Bela Vista           | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 11 - Anchieta                  | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 12 - Angelina                  | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 13 - Anita Garibaldi           | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 14 - Anitápolis                | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 15 - Antônio Carlos            | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 16 - Apiúna                    | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 17 - Arabutã                   | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 18 - Araquari                  | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 19 - Araranguá                 | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 20 - Armazém                   | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 21 - Arroio Trinta             | 29, 30, 31, 32, 33, 34                                            |
| 22 - Arvoredo                  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 23 - Ascurra                   | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 24 - Atalanta                  | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 25 - Aurora                    | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 26 - Balneário Arroio do Silva | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 27 - Balneário Barra do Sul    | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 28 - Balneário Camboriú        | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 29 - Balneário Gaivota         | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 30 - Bandeirante               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 31 - Barra Bonita              | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 32 - Barra Velha               | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 33 - Bela Vista do Toldo       | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 34 - Belmonte                  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 35 - Benedito Novo             | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 36 - Biguaçu                   | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 37 - Blumenau                  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 38 - Bocaina do Sul            | 1, 29, 30, 31, 32, 33, 34, 35, 36                                 |

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| 39 - Bom Jardim da Serra | 33, 34, 35, 36                                                    |
| 40 - Bom Jesus           | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 41 - Bom Jesus do Oeste  | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 42 - Bom Retiro          | 1, 30, 31, 32, 33, 34, 35, 36                                     |
| 43 - Bombinhas           | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 44 - Botuverá            | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 45 - Braço do Norte      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 46 - Braço do Trombudo   | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 47 - Brunópolis          | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 48 - Brusque             | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 49 - Caçador             | 29, 30, 31, 32, 33, 34                                            |
| 50 - Caibi               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 51 - Calmon              | 29, 30, 31, 32, 33, 34                                            |
| 52 - Camboriú            | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 53 - Campo Alegre        | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 54 - Campo Belo do Sul   | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 55 - Campo Êre           | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 56 - Campos Novos        | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 57 - Canelinha           | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 58 - Canoinhas           | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 59 - Capão Alto          | 1, 29, 30, 31, 32, 33, 34, 35, 36                                 |
| 60 - Capinzal            | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 61 - Capivari de Baixo   | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 62 - Catanduvas          | 29, 30, 31, 32, 33, 34                                            |
| 63 - Caxambú do Sul      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 64 - Celso Ramos         | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 65 - Cerro Negro         | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 66 - Chapadão do Lageado | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 67 - Chapecó             | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 68 - Cocal do Sul        | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 69 - Concórdia           | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 70 - Cordilheira Alta    | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 71 - Coronel Freitas     | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 72 - Coronel Martins     | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 73 - Correia Pinto       | 1, 29, 30, 31, 32, 33, 34, 35, 36                                 |
| 74 - Corupá              | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 75 - Criciúma            | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 76 - Cunha Porã          | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 77 - Cunhataí            | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 78 - Curitibaanos        | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |

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| 79 - Descanso               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 80 - Dionísio Cerqueira     | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 81 - Dona Emma              | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 82 - Doutor Pedrinho        | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 83 - Entre Rios             | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 84 - Ermo                   | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 85 - Erval Velho            | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 86 - Faxinal dos Guedes     | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 87 - Flor do Sertão         | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 88 - Florianópolis          | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 89 - Formosa do Sul         | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 90 - Forquilha              | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 91 - Fraiburgo              | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 92 - Frei Rogério           | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 93 - Galvão                 | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 94 - Garopaba               | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 95 - Garuva                 | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 96 - Gaspar                 | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 97 - Governador Celso Ramos | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 98 - Grão Pará              | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 99 - Gravatal               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 100 - Guabiruba             | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 101 - Guaraciaba            | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 102 - Guaramirim            | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 103 - Guarujá do Sul        | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 104 - Guatambú              | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 105 - Herval d'Oeste        | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 106 - Ibiam                 | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 107 - Ibicaré               | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 108 - Ibirama               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 109 - Içara                 | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 110 - Ilhota                | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 111 - Imaruí                | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 112 - Imbituba              | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 113 - Imbuia                | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 114 - Indaial               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 115 - Iomerê                | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 116 - Ipira                 | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 117 - Iporã do Oeste        | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 118 - Ipuacu                | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |

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| 119 - Ipumirim        | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 120 - Iraceminha      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 121 - Irani           | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 122 - Irati           | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 123 - Irineópolis     | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 124 - Itá             | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 125 - Itaiópolis      | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 126 - Itajaí          | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 127 - Itapema         | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 128 - Itapiranga      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 129 - Itapoá          | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 130 - Ituporanga      | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 131 - Jaborá          | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 132 - Jacinto Machado | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 133 - Jaguaruna       | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 134 - Jaraguá do Sul  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 135 - Jardinópolis    | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 136 - Joaçaba         | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 137 - Joinville       | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 138 - José Boiteux    | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 139 - Jupiá           | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 140 - Lacerdópolis    | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 141 - Lages           | 1, 30, 31, 32, 33, 34, 35, 36                                     |
| 142 - Laguna          | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 143 - Lajeado Grande  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 144 - Laurentino      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 145 - Lauro Muller    | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 146 - Lebon Régis     | 29, 30, 31, 32, 33, 34                                            |
| 147 - Leoberto Leal   | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 148 - Lindóia do Sul  | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 149 - Lontras         | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 150 - Luiz Alves      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 151 - Luzerna         | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 152 - Macieira        | 29, 30, 31, 32, 33, 34                                            |
| 153 - Mafra           | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 154 - Major Gercino   | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 155 - Major Vieira    | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 156 - Maracajá        | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 157 - Maravilha       | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 158 - Marema          | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |

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| 159 - Massaranduba    | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 160 - Matos Costa     | 29, 30, 31, 32, 33, 34                                            |
| 161 - Meleiro         | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 152 - Mirim Doce      | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 163 - Modelo          | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 164 - Mondaí          | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 165 - Monte Carlo     | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 166 - Monte Castelo   | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 167 - Morro da Fumaça | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 168 - Morro Grande    | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 169 - Navegantes      | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 170 - Nova Erechim    | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 171 - Nova Itaberaba  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 172 - Nova Trento     | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 173 - Nova Veneza     | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 174 - Novo Horizonte  | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 175 - Orleans         | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 176 - Otacílio Costa  | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 177 - Ouro            | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 178 - Ouro Verde      | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 179 - Paial           | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 180 - Painei          | 1, 30, 31, 32, 33, 34, 35, 36                                     |
| 181 - Palhoça         | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 182 - Palma Sola      | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 183 - Palmeira        | 1, 29, 30, 31, 32, 33, 34, 35, 36                                 |
| 184 - Palmitos        | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 185 - Papanduva       | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 186 - Paraíso         | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 187 - Passo de Torres | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 188 - Passos Maia     | 29, 30, 31, 32, 33, 34                                            |
| 189 - Paulo Lopes     | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 190 - Pedras Grandes  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 191 - Penha           | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 192 - Peritiba        | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 193 - Petrolândia     | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 194 - Piçarras        | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 195 - Pinhalzinho     | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 196 - Pinheiro Preto  | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 197 - Piratuba        | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 198 - Planalto Alegre | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |

|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| 199 - Pomerode                     | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 200 - Ponte Alta                   | 1, 29, 30, 31, 32, 33, 34, 35, 36                                 |
| 201 - Ponte Alta do Norte          | 29, 30, 31, 32, 33, 34                                            |
| 202 - Ponte Serrada                | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 203 - Porto Belo                   | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 204 - Porto União                  | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 205 - Pouso Redondo                | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 206 - Praia Grande                 | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 207 - Presidente Castelo Branco    | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 208 - Presidente Getúlio           | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 209 - Presidente Nereu             | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 210 - Princesa                     | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 211 - Quilombo                     | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 212 - Rancho Queimado              | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 213 - Rio das Antas                | 29, 30, 31, 32, 33, 34                                            |
| 214 - Rio do Campo                 | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 215 - Rio do Oeste                 | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 216 - Rio do Sul                   | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 217 - Rio dos Cedros               | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 218 - Rio Fortuna                  | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 219 - Rio Negrinho                 | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 220 - Rio Rufino                   | 31, 32, 33, 34, 35, 36                                            |
| 221 - Riqueza                      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 222 - Rodeio                       | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 223 - Romelândia                   | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 224 - Salete                       | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 225 - Saltinho                     | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 226 - Salto Veloso                 | 29, 30, 31, 32, 33, 34                                            |
| 227 - Sangão                       | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 228 - Santa Cecília                | 29, 30, 31, 32, 33, 34                                            |
| 229 - Santa Helena                 | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 230 - Santa Rosa de Lima           | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 231 - Santa Rosa do Sul            | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 232 - Santa Terezinha              | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 233 - Santa Terezinha do Progresso | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 234 - Santiago do Sul              | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 235 - Santo Amaro da Imperatriz    | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 236 - São Bento do Sul             | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 237 - São Bernardino               | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 238 - São Bonifácio                | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| 239 - São Carlos              | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 240 - São Cristóvão do Sul    | 1, 29, 30, 31, 32, 33, 34, 35, 36                                 |
| 241 - São Domingos            | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 242 - São Francisco do Sul    | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 243 - São João Batista        | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 244 - São João do Itaperiú    | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 245 - São João do Oeste       | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 246 - São João do Sul         | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 247 - São Joaquim             | 33, 34, 35, 36                                                    |
| 248 - São José                | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 249 - São José do Cedro       | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 250 - São José do Cerrito     | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 251 - São Lourenço do Oeste   | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 252 - São Ludgero             | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 253 - São Martinho            | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 254 - São Miguel da Boa Vista | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 255 - São Miguel d'Oeste      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 256 - São Pedro de Alcântara  | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 257 - Saudades                | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 258 - Schroeder               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 259 - Seara                   | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 260 - Serra Alta              | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 261 - Siderópolis             | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 262 - Sombrio                 | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 263 - Sul Brasil              | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 264 - Taió                    | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                  |
| 265 - Tangará                 | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 266 - Tigrinhos               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 267 - Tijucas                 | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 268 - Timbé do Sul            | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 269 - Timbó                   | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 270 - Timbó Grande            | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 271 - Três Barras             | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36                         |
| 272 - Treviso                 | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |
| 273 - Treze de Maio           | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 274 - Treze Tílias            | 29, 30, 31, 32, 33, 34                                            |
| 275 - Trombudo Central        | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 276 - Tubarão                 | 1, 2, 3, 4, 5, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 277 - Tunapólis               | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36           |
| 278 - Turvo                   | 1, 2, 3, 4, 5, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36         |



|                      |                                                         |
|----------------------|---------------------------------------------------------|
| 279 - União do Oeste | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 280 - Urubici        | 31, 32, 33, 34, 35, 36                                  |
| 281 - Urupema        | 33, 34, 35, 36                                          |
| 282 - Urussanga      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 283 - Vargeão        | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36               |
| 284 - Vargem         | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36               |
| 285 - Vargem Bonita  | 29, 30, 31, 32, 33, 34                                  |
| 286 - Vidal Ramos    | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36        |
| 287 - Videira        | 1, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36               |
| 288 - Vitor Meireles | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 289 - Witmarsum      | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 290 - Xanxerê        | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36        |
| 291 - Xavantina      | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36        |
| 292 - Xaxim          | 1, 2, 3, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 |
| 293 - Zortéa         | 1, 2, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36        |

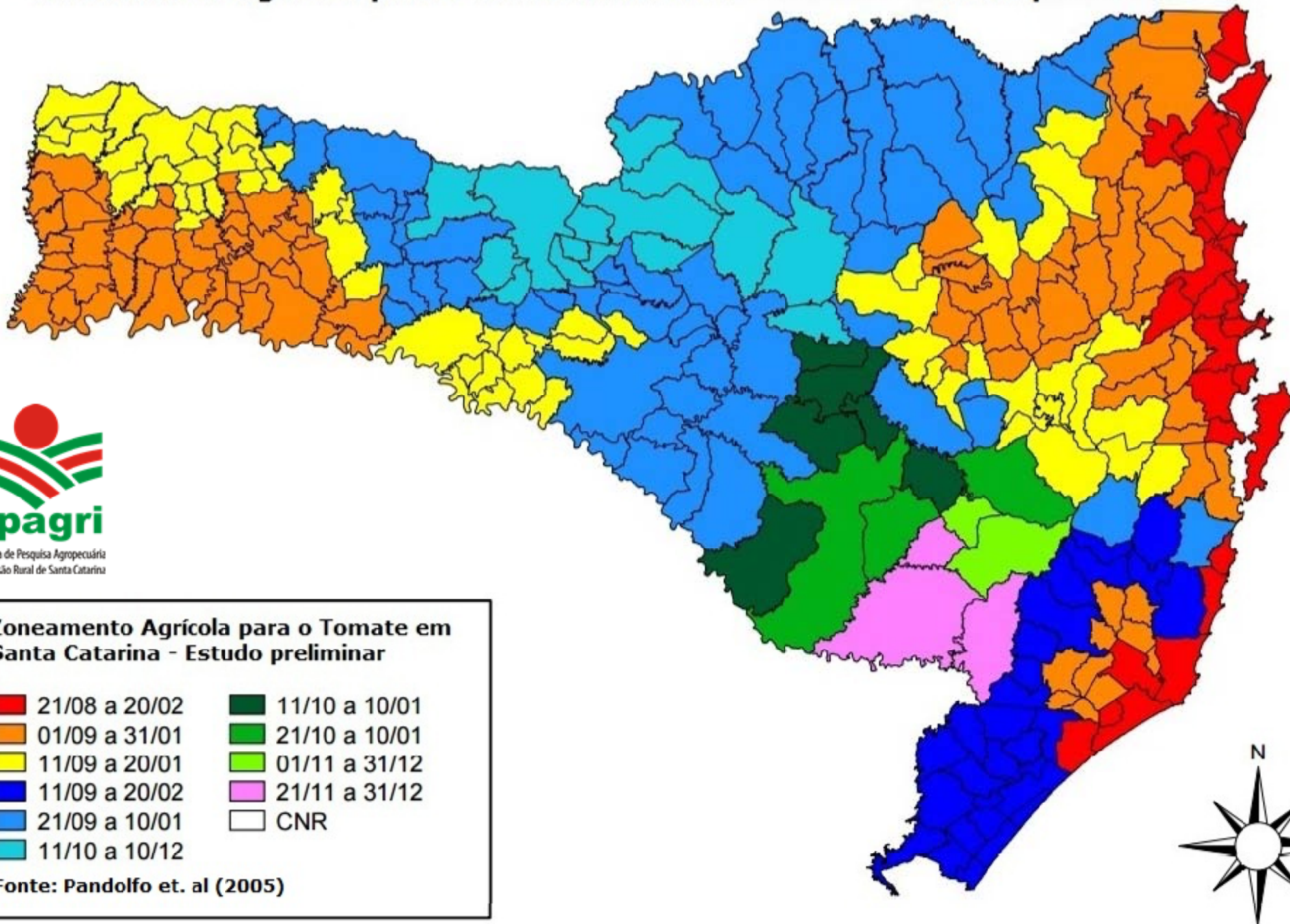
#### Observações:

A semeadura deve ser realizada de 2 a 3 decêndios antes da data recomendada para o plantio, variando com o microclima do local.

| MÊS       | DECÊNDIO | INÍCIO          | FIM             |
|-----------|----------|-----------------|-----------------|
|           | 01       | 01 de Janeiro   | 10 de Janeiro   |
| Janeiro   | 02       | 11 de Janeiro   | 20 de Janeiro   |
|           | 03       | 21 de Janeiro   | 31 de Janeiro   |
|           | 04       | 01 de Fevereiro | 10 de Fevereiro |
| Fevereiro | 05       | 11 de Fevereiro | 20 de Fevereiro |
|           | 06       | 21 de Fevereiro | 28 de Fevereiro |
|           | 07       | 01 de Março     | 10 de Março     |
| Março     | 08       | 11 de Março     | 20 de Março     |
|           | 09       | 21 de Março     | 31 de Março     |
|           | 10       | 01 de Abril     | 10 de Abril     |
| Abril     | 11       | 11 de Abril     | 20 de Abril     |
|           | 12       | 21 de Abril     | 30 de Abril     |
|           | 13       | 01 de Maio      | 10 de Maio      |
| Maio      | 14       | 11 de Maio      | 20 de Maio      |
|           | 15       | 21 de Maio      | 31 de Maio      |
|           | 16       | 01 de Junho     | 10 de Junho     |
| Junho     | 17       | 11 de Junho     | 20 de Junho     |
|           | 18       | 21 de Junho     | 30 de Junho     |
|           | 19       | 01 de Julho     | 10 de Julho     |
| Julho     | 20       | 11 de Julho     | 20 de Julho     |

|          |    |                |                |
|----------|----|----------------|----------------|
|          | 21 | 21 de Julho    | 31 de Julho    |
|          | 22 | 01 de Agosto   | 10 de Agosto   |
| Agosto   | 23 | 11 de Agosto   | 20 de Agosto   |
|          | 24 | 21 de Agosto   | 31 de Agosto   |
|          | 25 | 01 de Setembro | 10 de Setembro |
| Setembro | 26 | 11 de Setembro | 20 de Setembro |
|          | 27 | 21 de Setembro | 30 de Setembro |
|          | 28 | 01 de Outubro  | 10 de Outubro  |
| Outubro  | 29 | 11 de Outubro  | 20 de Outubro  |
|          | 30 | 21 de Outubro  | 31 de Outubro  |
|          | 31 | 01 de Novembro | 10 de Novembro |
| Novembro | 32 | 11 de Novembro | 20 de Novembro |
|          | 33 | 21 de Novembro | 30 de Novembro |
|          | 34 | 01 de Dezembro | 10 de Dezembro |
| Dezembro | 35 | 11 de Dezembro | 20 de Dezembro |
|          | 36 | 21 de Dezembro | 31 de Dezembro |

# Zoneamento Agrícola para o Tomate em Santa Catarina - Estudo preliminar



Empresa de Pesquisa Agropecuária  
e Extensão Rural de Santa Catarina