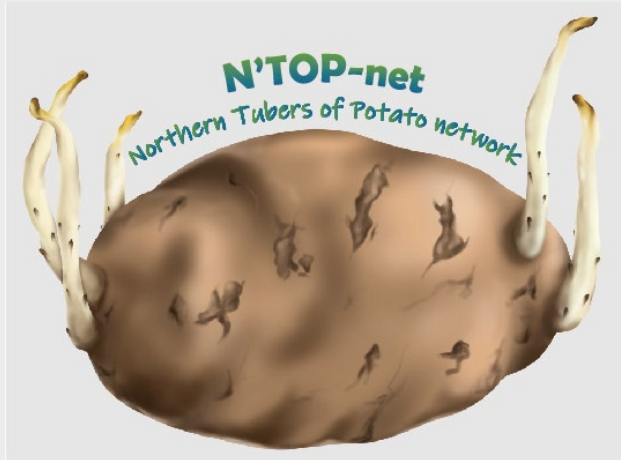




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**Production of seed potato - cultivar  
choice – shared strategies?**

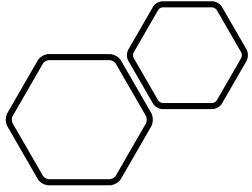
# Questions addressed

- Relative differences in land use for potatoes (ca 2015-2021)
- Differences in absolute numbers
  - Potato growth
  - Purpose (Ware, Starch, other)
- Differences in choice of cultivar (DK, SE, FI)
  - Description per country
  - Signs of common strategy
  - Consequences

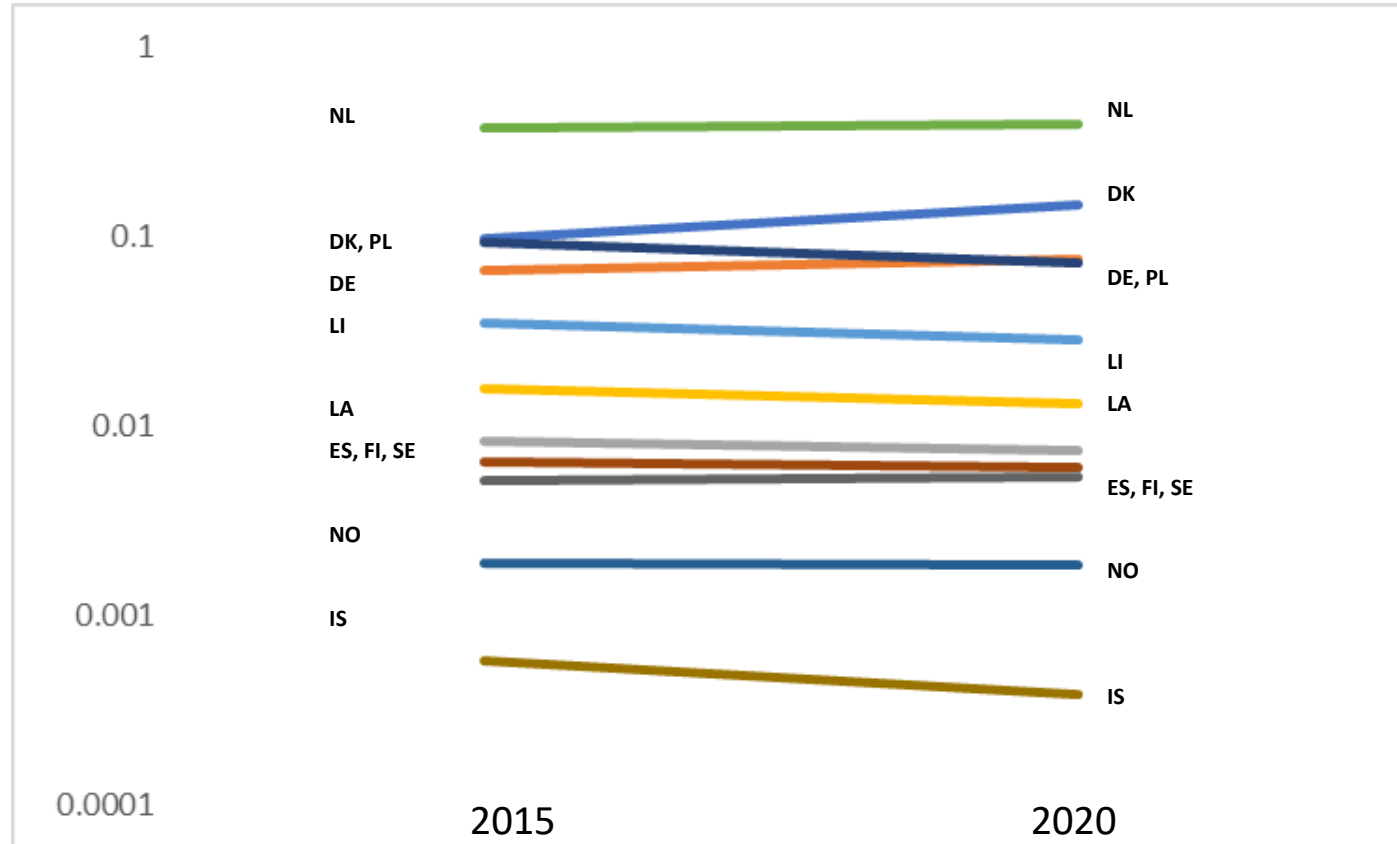
# Potato production by country

• © 2018-2022 AtlasBig.com

| Country | ton      | kg/person | ha     | kg/ha | ton/ha |
|---------|----------|-----------|--------|-------|--------|
| Germany | 10772100 | 130.2     | 242500 | 44421 | 44.42  |
| Poland  | 8872445  | 231       | 311620 | 28472 | 28.47  |
| NL      | 6534338  | 378.8     | 155594 | 41996 | 42.00  |
| U.K.    | 5373000  | 81        | 139000 | 38654 | 38.65  |
| Denmark | 1954016  | 337.5     | 46000  | 42478 | 42.48  |
| Sweden  | 862500   | 84.8      | 24140  | 35729 | 35.73  |
| Finland | 587600   | 106.5     | 21700  | 27078 | 27.08  |
| Norway  | 363200   | 68.4      | 11972  | 30337 | 30.34  |
| Estonia | 89842    | 68.1      | 5643   | 15921 | 15.92  |
| Iceland | 9930     | 28.1      | 600    | 16550 | 16.55  |

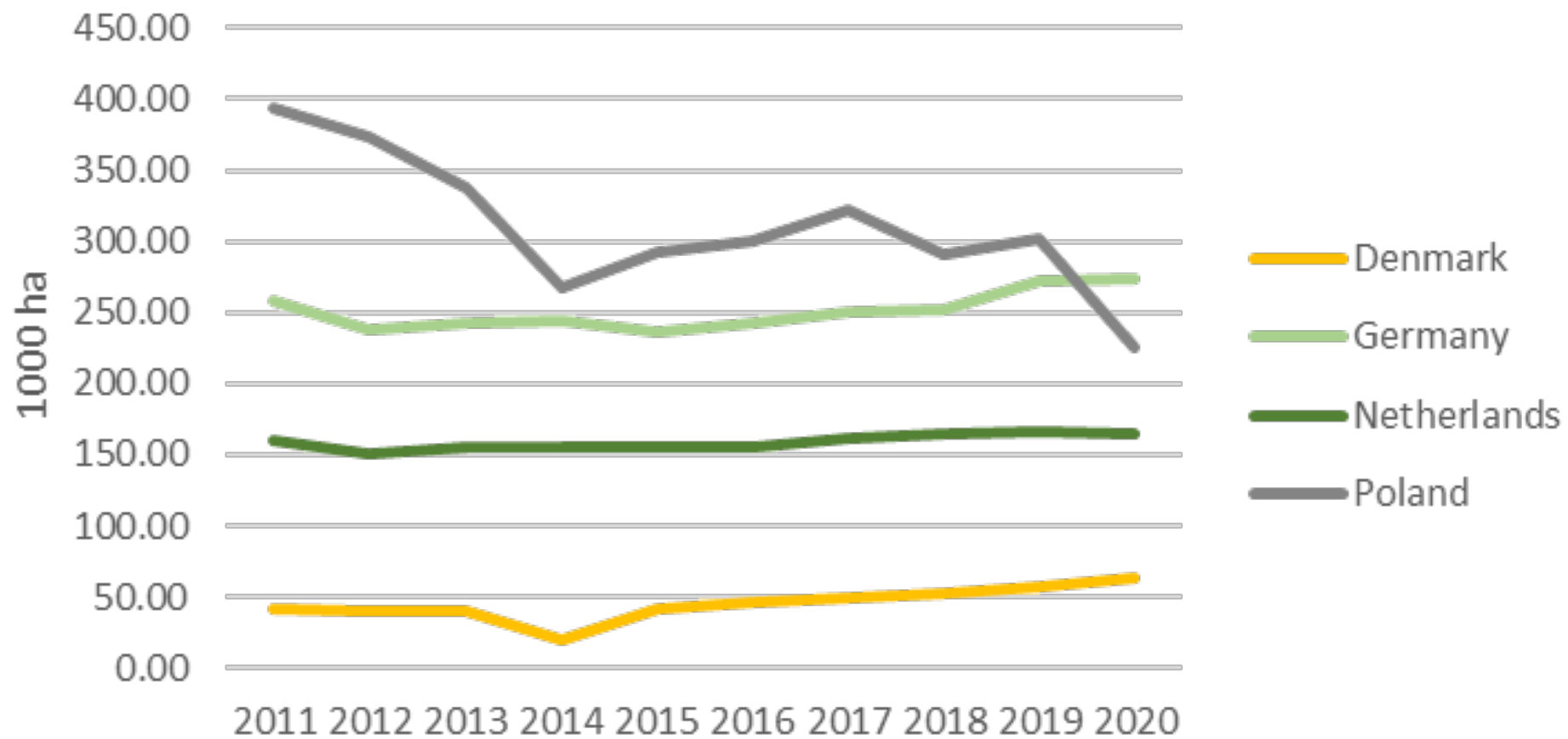


# Relative land use for Potato

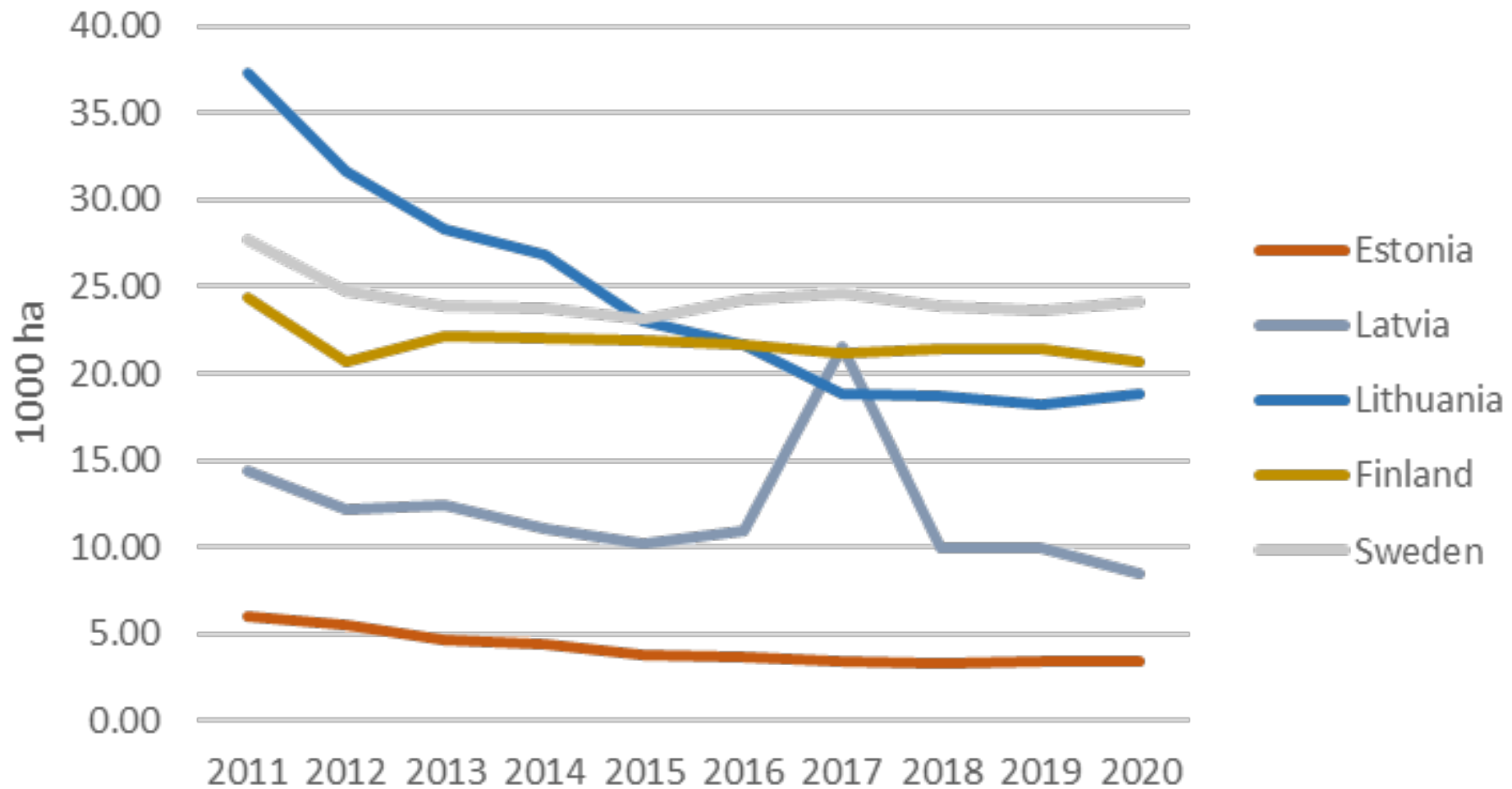


NB! in per mille; log scale  
Land use from Eurostat;  
Land areas from Macrotrends LCC

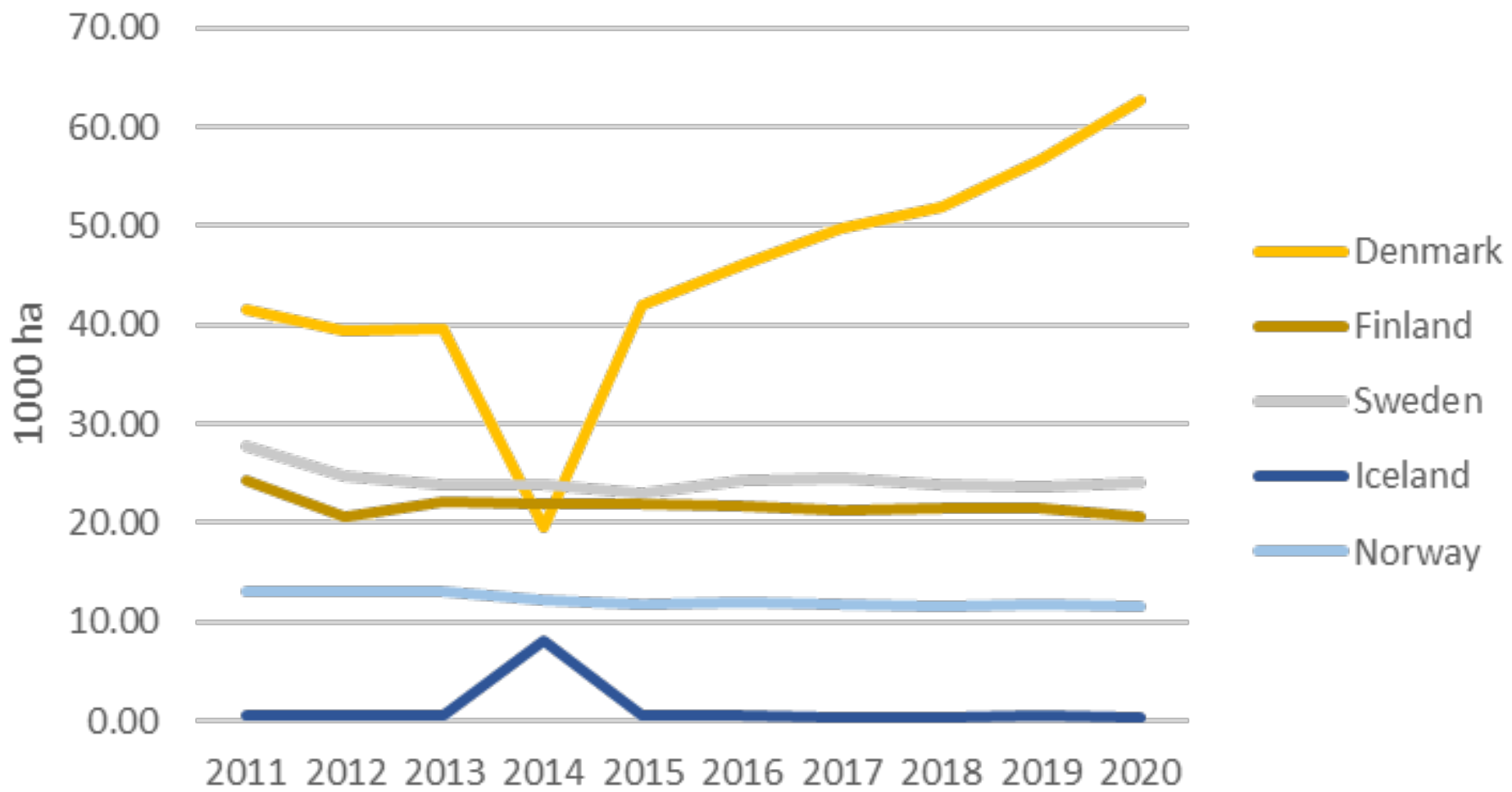
## Northern Europe



## the Baltic North



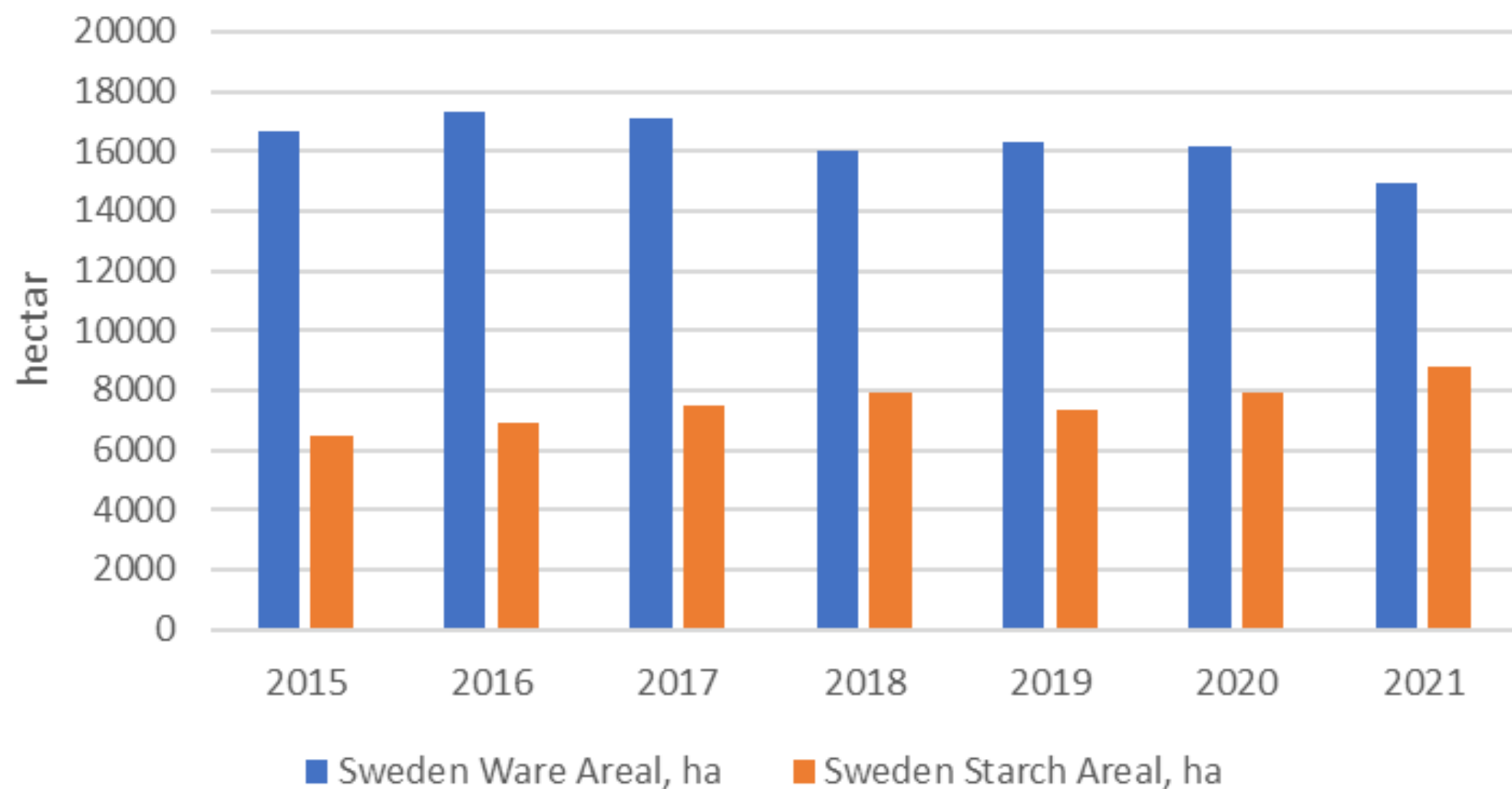
# the Nordic Countries

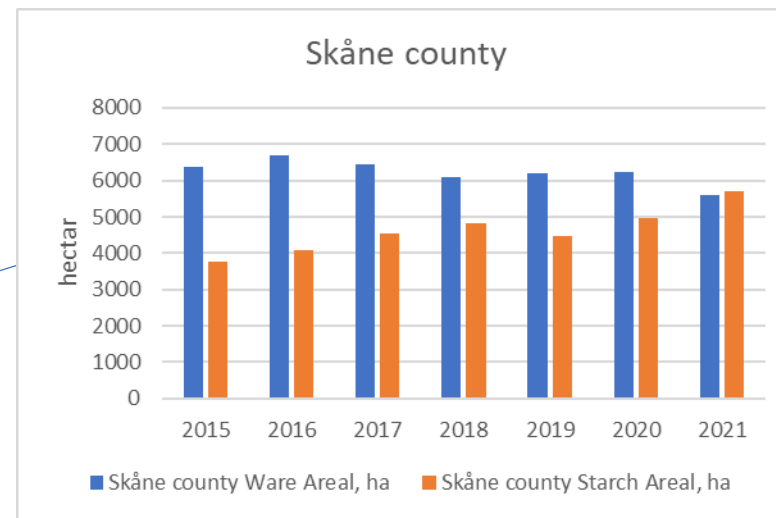
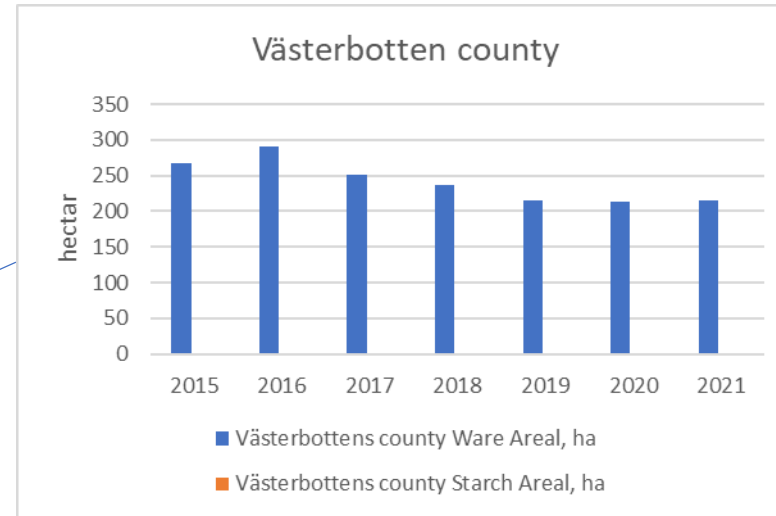






## Area use, Potato in Sweden 2015-2021







Seed potato varieties (top five) example Finland; production of seed potato (in ha)

| Cultivar       | Purpose    | 2015  | 2016  | 2017  | 2018 | 2019  | 2020  |
|----------------|------------|-------|-------|-------|------|-------|-------|
| Posmo          | Starch- FI | 70.81 | 0     | 0     | NA   | 53.61 | 51.28 |
| Kuras          | Starch- FI | 33    | 0     | 0     | NA   | 60.82 | 51.78 |
| Annabel        | Ware- FI   | 48.33 | 53.77 | 56.12 | NA   | 65.1  | 71.66 |
| Melody         | Ware- FI   | 78.68 | 86.13 | 85.45 | NA   | 70.01 | 64.8  |
| Colomba        | Ware- FI   | 41.18 | 67.18 | 59.05 | NA   | 43.59 | 55.35 |
| Innovator      | Ware- FI   | 15.51 | 25.7  | 22.99 | NA   | 33.65 | 49.8  |
| Asterix        | Ware- FI   | 42.94 | 41.85 | 50.5  | NA   | 49.06 | 42.07 |
| Marabel        | Ware- FI   | 26.77 | 31.56 | 47.72 | NA   | 25.75 | 29.4  |
| Hankkijan Timo | Ware- FI   | 57.5  | 53.32 | 31.37 | NA   | 34.83 | 33.03 |
| Red Scarlett   | Ware- FI   | 46.33 | 43.78 | 30.57 | NA   | 20.77 | 0     |



Seed potato  
varieties (top  
five)  
example  
Denmark; seed  
potatos (in ha)

| Cultivar    | Purpose     | 2015     | 2016    | 2017     | 2018     | 2019     | 2020     |
|-------------|-------------|----------|---------|----------|----------|----------|----------|
| Cronos      | Industry-DK | 0        | 7.3     | 17.29    | 23       | 34.3     | 57       |
| Desiree     | Industry-DK | 121.95   | 111.5   | 119.79   | 136.4    | 162.3    | 157.7    |
| Hermes      | Industry-DK | 94.13    | 50.22   | 54.43    | 31.8     | 34.9     | 44.8     |
| Kiebitz     | Industry-DK | 1.22     | 9.78    | 46.56    | 51.3     | 58.1     | 56       |
| Lady Britta | Industry-DK | 22.4     | 27.6    | 39.05    | 54.6     | 54.2     | 77.9     |
| Lady Claire | Industry-DK | 50.34    | 46.51   | 49.8     | 61.4     | 70.2     | 91.7     |
| Royal       | Industry-DK | 204.43   | 219.63  | 286.15   | 225.7    | 277.9    | 233.3    |
| Sarpo Mira  | Industry-DK | 77.9     | 60.91   | 70.04    | 96.4     | 105.9    | 94       |
| Saturna     | Industry-DK | 137.94   | 103.64  | 109.95   | 101.8    | 102.2    | 102      |
| Spunta      | Industry-DK | 1,141.04 | 1261.53 | 1,242.64 | 1,280.10 | 1,146.50 | 1,306.00 |
| Verdi       | Industry-DK | 50.2     | 56.01   | 25.71    | 42.9     | 45.2     | 49       |
| Avarna      | Starch-DK   | 1.2      | 12.41   | 26.46    | 63.1     | 104.7    | 140.7    |
| Avenue      | Starch-DK   | 0        | 23.46   | 48.01    | 35.3     | 36.5     | 127.1    |
| Kardal      | Starch-DK   | 112.62   | 157.42  | 195.47   | 217.6    | 213.7    | 251.3    |
| Kennebec    | Starch-DK   | 283.7    | 201.19  | 206.86   | 213.2    | 221.8    | 251.8    |
| Kuras       | Starch-DK   | 470.25   | 483.08  | 585.87   | 649.7    | 665      | 712.4    |
| Oleva       | Starch-DK   | 121.72   | 134.25  | 123.85   | 46.6     | 39.2     | 39.4     |
| Saprodi     | Starch-DK   |          |         | 1.83     | 20.7     | 58.7     | 65.6     |
| Stratos     | Starch-DK   | 2.92     | 25.16   | 52.94    | 116.8    | 158.1    | 164.7    |
| Ydun        | Starch-DK   | 0        | 0       | 1.12     | 9.2      | 31.7     | 88.3     |
| Cara        | Ware-DK     | 194.87   | 159.79  | 185.93   | 150.5    | 126.5    | 132.2    |
| Cimega      | Ware-DK     | 48.75    | 59.13   | 84.22    | 118.2    | 86.9     | 49.9     |
| Ditta       | Ware-DK     | 45.63    | 59.3    | 61.2     | 49.7     | 63       | 59.7     |
| Fakse       | Ware-DK     | 120.87   | 112.94  | 71.38    | 73.4     | 51.3     | 31.5     |
| Folva       | Ware-DK     | 66.93    | 64.56   | 77.08    | 60.7     | 78.2     | 66.9     |
| Hansa       | Ware-DK     | 35.63    | 32.23   | 39.06    | 48       | 48.3     | 52.6     |
| Sava        | Ware-DK     | 43.4     | 60.9    | 53.06    | 51.7     | 40.7     | 43.6     |
| Solist      | Ware-DK     | 63.52    | 81.26   | 110.7    | 109.5    | 97.4     | 102.1    |

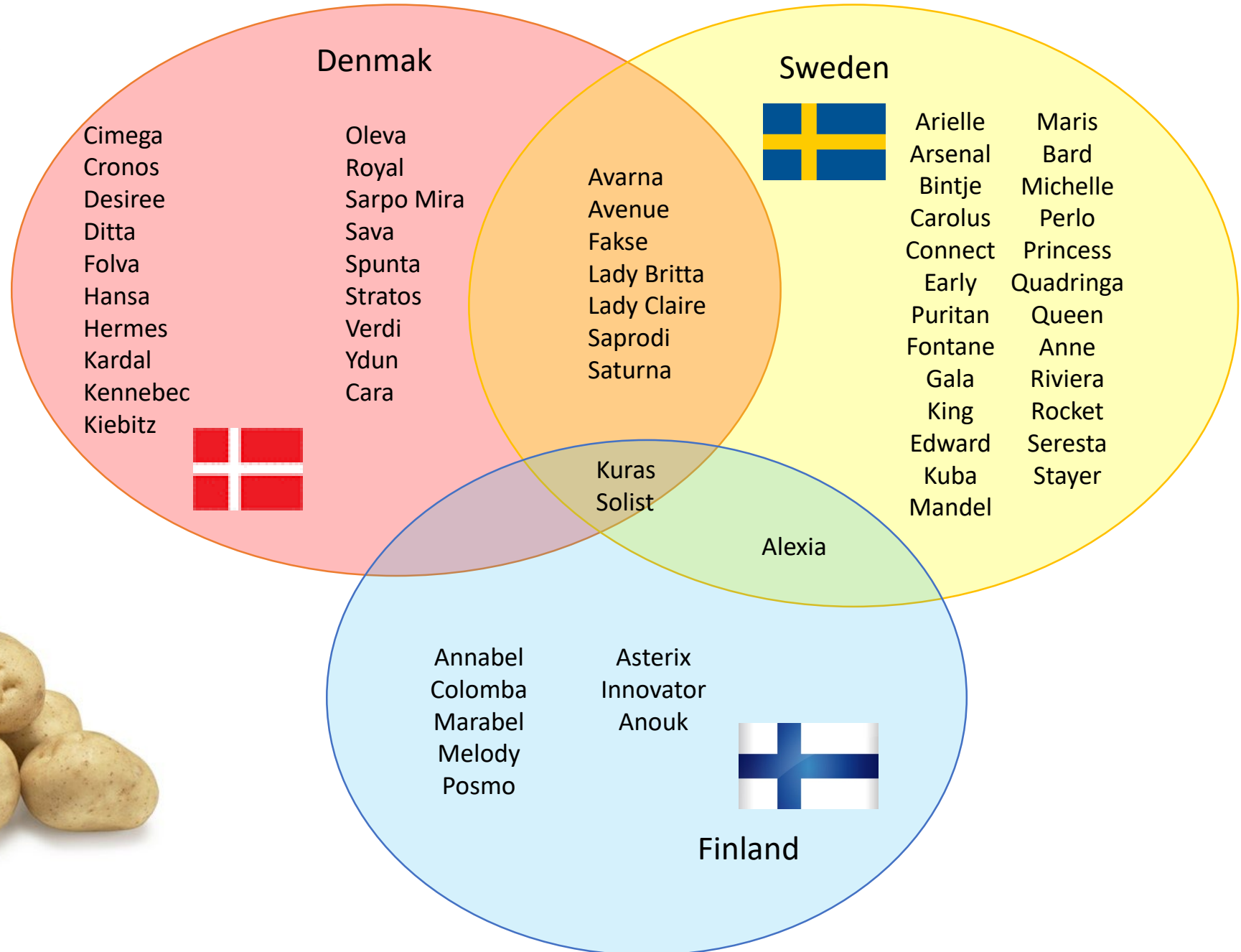


Seed potato  
varieties (top  
five)  
example  
Sweden; seed  
potato (in ha)

| Cultivar      | Purpose       | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  |
|---------------|---------------|-------|-------|-------|-------|-------|-------|
| Alexia        | Färsk-S       | 17.2  | 18.2  | 14.3  | 7.2   | 7.8   | 4.2   |
| Arielle       | Färsk-S       | 11.7  | 11.5  | 2.9   | 3     | 2.7   | 2.9   |
| Connect       | Färsk-S       | 5.5   | 4     | 4.8   | 19.6  | 10.4  | 10.2  |
| Early Puritan | Färsk-S       | 5.7   | 5.6   | 5.3   | 7.2   | 1.5   | 0.1   |
| Maris Bard    | Färsk-S       | 5.2   | 5     | 3.9   | 5     | 5     | 5.6   |
| Michelle      | Färsk-S       | 15.9  | 21.4  | 12.4  | 27.1  | 15    | 13.3  |
| Princess      | Färsk-S       | 8.5   | 9.7   | 7.5   | 4.5   | 3.4   | 3.9   |
| Riviera       | Färsk-S       | 5.1   | 11.7  | 1     | 0     | 0     | 0     |
| Rocket        | Färsk-S       | 12.1  | 7.7   | 11.5  | 18.1  | 11.2  | 12.4  |
| Solist        | Färsk-S       | 26.5  | 32.6  | 32.1  | 28.6  | 27    | 30.4  |
| Anouk         | Höst_Vinter-S | 0     | 2     | 10.7  | 17.8  | 22.7  | 16.5  |
| Arsenal       | Höst_Vinter-S | 9.4   | 11.5  | 14.6  | 18.5  | 32.3  | 2.3   |
| Bintje        | Höst_Vinter-S | 25.2  | 18.6  | 16.5  | 15.1  | 9.8   | 5.8   |
| Carolus       | Höst_Vinter-S | 16.6  | 29    | 40.5  | 29.6  | 28.7  | 28.4  |
| Fakse         | Höst_Vinter-S | 19.1  | 19.7  | 22.4  | 17    | 15.9  | 13.6  |
| Fontane       | Höst_Vinter-S | 42.3  | 43.1  | 56.6  | 65    | 71.9  | 237.6 |
| Gala          | Höst_Vinter-S | 21.5  | 11.5  | 11.1  | 14.1  | 15.5  | 24.3  |
| King Edward   | Höst_Vinter-S | 148   | 126.4 | 146.2 | 122.3 | 123.4 | 87.4  |
| Lady Claire   | Höst_Vinter-S | 1     | 7.5   | 15    | 15.5  | 0     | 0     |
| Mandel        | Höst_Vinter-S | 28.2  | 23.9  | 23.5  | 10.7  | 12.6  | 12.4  |
| Perlo         | Höst_Vinter-S | 8     | 11.2  | 14    | 15.4  | 7.4   | 9.6   |
| Queen Anne    | Höst_Vinter-S | 0     | 0     | 5.4   | 27    | 11.5  | 57.4  |
| Avarna        | Industri-S    | 9     | 7.5   | 11    | 23    | 43.5  | 8     |
| Avenue        | Industri-S    | 22.5  | 19.8  | 23.7  | 26.9  | 42.7  | 49.1  |
| Kuba          | Industri-S    | 31    | 21    | 18    | 0     | 0     | 0     |
| Kuras         | Industri-S    | 135.6 | 148.8 | 140.9 | 133.1 | 149.2 | 143.4 |
| Lady Britta   | Industri-S    | 17.8  | 33    | 33.6  | 14    | 0     | 0     |
| Quadranga     | Industri-S    | 12.8  | 10.5  | 22    | 31.5  | 37.4  | 46    |
| Saprodi       | Industri-S    | 0     | 2     | 10.5  | 29.3  | 36.5  | 58.9  |
| Saturna       | Industri-S    | 91.8  | 61    | 19.2  | 0     | 0     | 0     |
| Seresta       | Industri-S    | 19.5  | 21    | 19    | 44    | 51    | 36    |
| Staver        | Industri-S    | 28.6  | 15    | 24    | 18    | 0     | 0     |

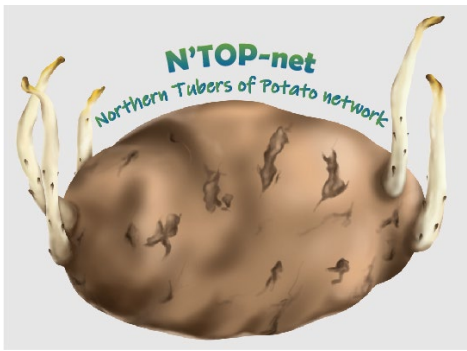
# Common top-five varieties?

2015-2021



# Questions addressed

- Relative differences in land use for potatoes (ca 2015-2021)
- Differences in absolute numbers
  - Potato growth – north-east/ south-west
  - Purpose (Ware, Starch, other) starch more synchronized?
- Differences in choice of cultivar (DK, SE, FI)
  - Description per country - mostly differ
  - Signs of common strategy – for a few varieties
  - Consequences - ? Should we worry?



Thank you!