**BoroughGreen Data Sources Page**

Team Globie Girls

Thank you to the Common Roots Urban Farm in Halifax NS, and Matte Golding for the valuable urban farming and gardening advice!

**Open Source Datasets:**

Halifax Tree data: <https://data-hrm.hub.arcgis.com/datasets/33a4e9b6c7e9439abcd2b20ac50c5a4d_0/explore>

Halifax Community Gardens: <https://data-hrm.hub.arcgis.com/datasets/3f92650723014afbadaec6291a5af817_0/explore>

Buildings for impervious surfaces: [https://data-hrm.hub.arcgis.com/datasets/HRM::buildings/explore?layer=0&location=44.650101%2C-63.561129%2C12.06](https://data-hrm.hub.arcgis.com/datasets/HRM%3A%3Abuildings/explore?layer=0&location=44.650101%2C-63.561129%2C12.06)

Roads for impervious surfaces: <https://data-hrm.hub.arcgis.com/datasets/560fec412dd044b08ae52a8575a215d4_0/explore?location=44.668705%2C-63.602891%2C12.35>

HRM Boundary: [ttps://data-hrm.hub.arcgis.com/datasets/b4088a068b794436bdb4e5c31df76fe2\_0/explore?location=44.821914%2C-63.201338%2C8.58](https://data-hrm.hub.arcgis.com/datasets/b4088a068b794436bdb4e5c31df76fe2_0/explore?location=44.821914%2C-63.201338%2C8.58)

HRM Zoning Boundaries: <https://data-hrm.hub.arcgis.com/datasets/11adc4e1e52a45b5b9f6bc63ef6e0883_0/explore?location=44.788532%2C-63.770292%2C14.53>

Precipitation Data for 2023 (downloaded as CSV): <https://climate-change.canada.ca/climate-data/#/downscaled-data>

DEM: <https://novascotia.ca/natr/meb/download/dp055md.asp>

Soil Data: Provided from NS Department of Natural Resources (2017)

Water Polygons: Provided from NS Department of Natural Resources (2017)

**Tips:**

Soil Safety: <https://nepis.epa.gov/Exe/ZyNET.exe/P100AV48.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2011+Thru+2015&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C11thru15%5CTxt%5C00000001%5CP100AV48.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>

Testing backyard soil: <https://www.gardeners.com/how-to/what-type-of-soil-do-you-have/9120.html>

Nova Scotia school garden resource: <https://novascotia.ca/programs/school-garden-resource-guide/>

Invasive Species Guide: <https://nsinvasives.ca/plant-wise/>

Urban Gardening: <https://www.halifaxseed.ca/downloads>

Local Plant Nurseries: <https://www.halifaxseed.ca/> , <https://lakelandplantworld.com/> , <https://atlanticgardens.ca/>

Community Garden Information: <https://www.halifax.ca/parks-recreation/parks-trails-gardens/gardens/community-gardens>

**Photos:**

Plant Icon in community fresh map: <https://creazilla.com/nodes/48068-seedling-emoji-clipart>

Beginner gardener what to plant:

<https://upload.wikimedia.org/wikipedia/commons/thumb/9/97/Garten-Kind-mit-Gie%C3%9Fkanne-8309859.jpg/1024px-Garten-Kind-mit-Gie%C3%9Fkanne-8309859.jpg>

Serviceberry: <https://identify.plantnet.org/be/k-world-flora/species/Amelanchier%20...>

Garden Center: <https://www.pexels.com/photo/assorted-plants-displayed-in-a-green-house-12295717/>

Soil: <https://www.pexels.com/photo/anonymous-farmer-planting-seedlings-into-soil-7728082/>

Square Foot Garden: <https://www.flickr.com/photos/dalecalder2003/4757938438>

Vegetables: [https://www.flickr.com/photos/97513256@N06/9041948559](https://www.flickr.com/photos/97513256%40N06/9041948559)

**Other:**

Plant Hardiness Zone: <https://www.plantmaps.com/interactive-nova-scotia-plant-zone-hardiness-map.php>

Soil Moisture: <https://sis.agr.gc.ca/cansis/nsdb/cli/class.html>

Soil Acidity:<https://agriculture.vic.gov.au/farm-management/soil/soil-acidity#:~:text=chloride)%20was%20used.-,Soil%20pH%20levels,trace%20elements%20may%20become%20unavailable>

NSWFV6~~~~A Soil Description: <https://sis.agr.gc.ca/cansis/soils/ns/WFV/6~~~~/A/description.html>

NSCSY7~~~~N Soil Description: <https://sis.agr.gc.ca/cansis/soils/ns/CSY/7~~~~/N/description.html>

What to plant in April: <https://commonrootsurbanfarm.ca/2019/04/24/what-to-plant-in-april/>

Aspect: <https://novascotia.ca/thinkfarm/starting-your-farm/#page=keys-to-success>, <https://www.garden-products.co.uk/news/growhouses-and-mini-greenhouses/north-south-east-or-west-facing-gardens-the-complete-guide/>

Kang J, Duan X, Yun R. The Impact of Urbanization on Food Security: A Case Study of Jiangsu Province. Land. 2023; 12(9):1681. https://doi.org/10.3390/land12091681

Feed Nova Scotia. (2023). About Food Insecurity. Retrieved from <https://www.feednovascotia.ca/hungry-for-change/about-food-insecurity>

Statistics Canada. (2023, 11 14). Study: Food insecurity among Canadian families, 2022. Retrieved from [https://www150.statcan.gc.ca/n1/daily-quotidien/231114/dq231114a-eng.htm](https://www150.statcan.gc.ca/n1/daily-quotidien/231114/dq231114a-eng.html)

Halifax. (2024, January 26). Community Gardens. Retrieved from <https://www.halifax.ca/parks-recreation/parks-trails-gardens/gardens/community-gardens>