



Agricultural Water Quality Program

Created by the CSU Agricultural Water Quality Program

Cercospora Bill of Materials

SHT 31 Sensor Probe



Link:

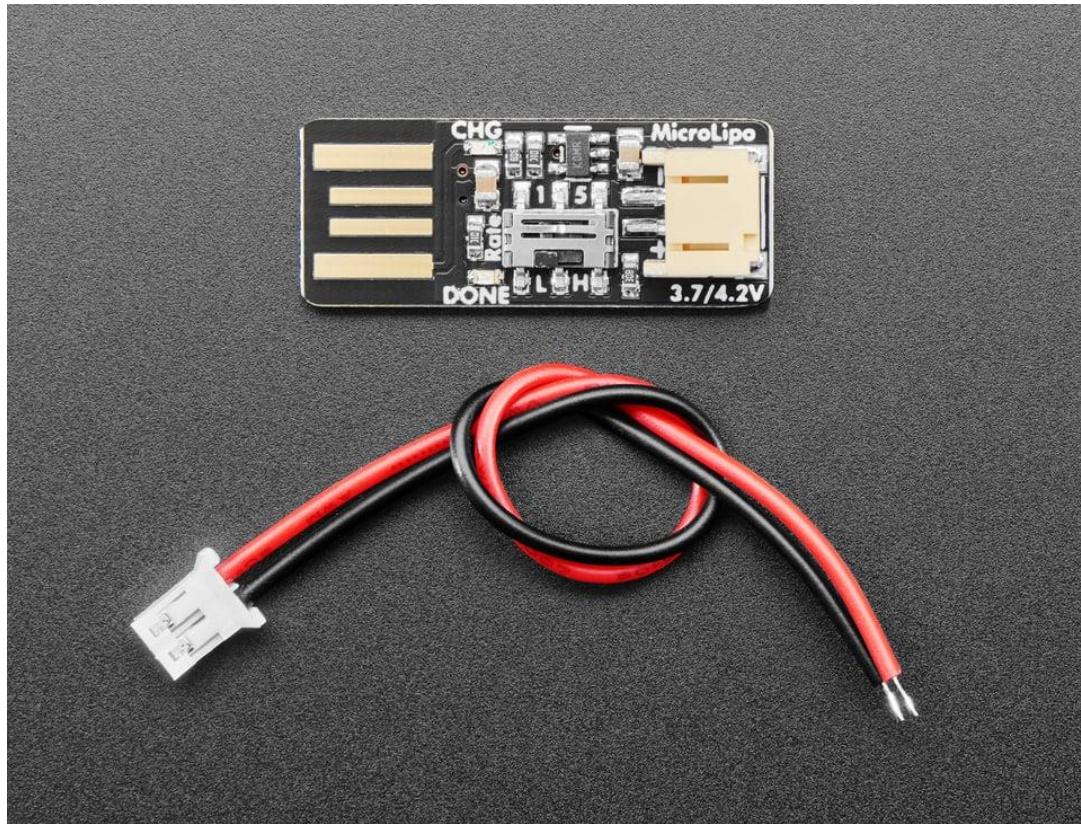
https://www.amazon.com/gp/product/B09NYDCKF2/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1

Waterproof Polarized 4-Wire Cable Set



<https://www.adafruit.com/product/744>

Adafruit Micro Lipo - USB LiIon/LiPoly Charger



[https://www.adafruit.com/p
roduct/1304](https://www.adafruit.com/product/1304)

Lithium Ion Battery Pack - 3.7V 4400mAh

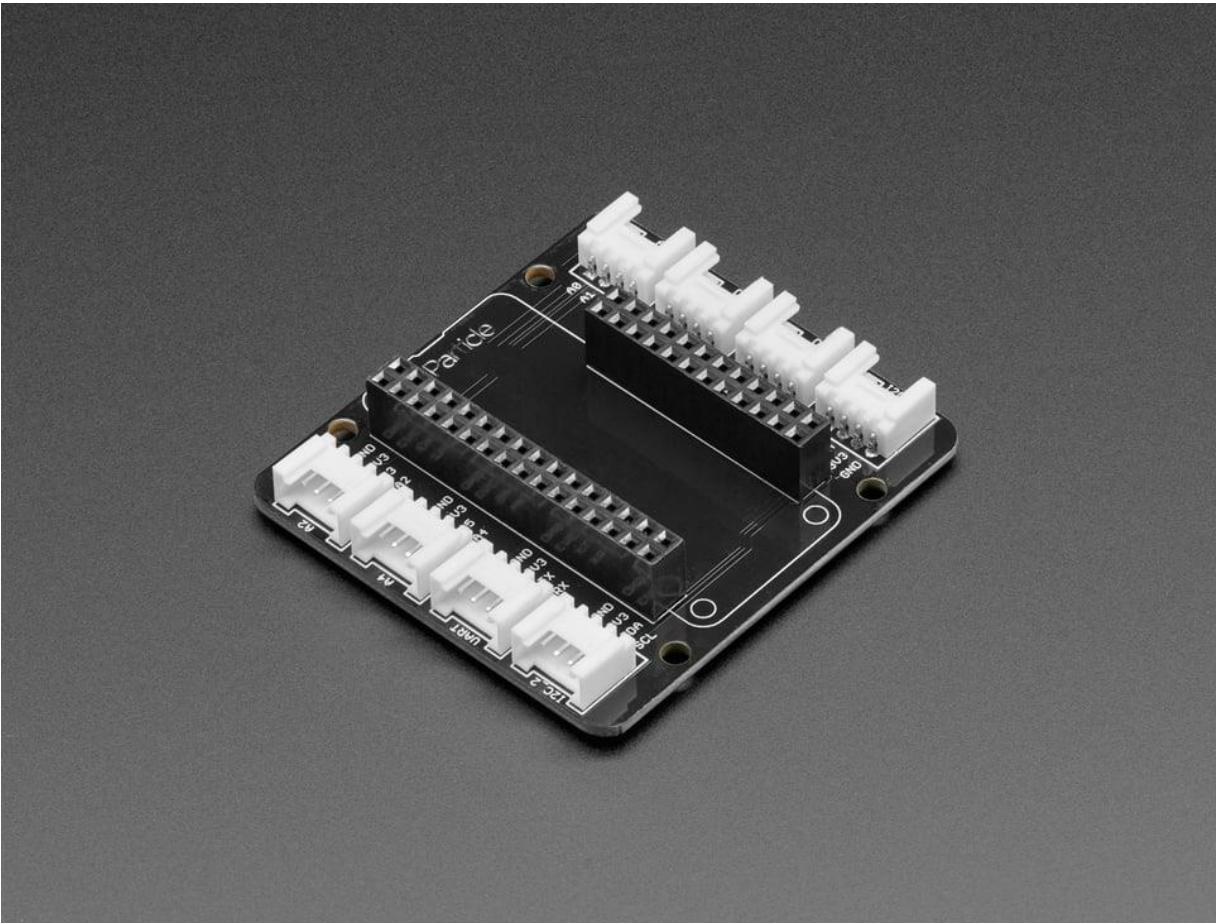


<https://www.adafruit.com/product/354>

Alternate if out of stock:

https://www.amazon.com/Battery-Packs-Lithium-Pack-3-7V/dp/B0137IRGHG/ref=sr_1_1?crid=T7V5SLARPWZ3&keywords=Lithium+Ion+Battery+Pack+-+3.7V+4400mAh&qid=1706741942&sprefix=lithium+ion+battery+pack+-+3.7v+4400mah%2Caps%2C131&sr=8-1

Grove Shield FeatherWing



<https://www.adafruit.com/product/4309>

Boron LTE CAT-M1 for North America (BRN404X)



<https://store.particle.io/collections/cellular/products/boron-lte-cat-m1-noram-with-ethersim-4th-gen>

Waterproof Enclosure (NEW)



https://www.amazon.com/dp/B0BZR3GZ4V/ref=twister_B0B87THLGC?encoding=UTF8&psc=1

Silica Pack (30 pack)



https://www.amazon.com/Dry-Premium-Packets-Desiccants-Dehumidifier/dp/B00VJ02VMK/ref=sr_1_3?crid=27DLR5YA4ZQID&keywords=10g%2Bsilica%2Bgel%2Bpackets&qid=1675185727&sprefix=10%2Bg%2Bsilica%2B%2Caps%2C139&sr=8-3&th=1

White Solder Seal Wire Connectors AWG26-24



https://www.amazon.com/gp/product/B09BHW6BWC/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

1/4" Heat Shrink Tubing (50ft)



https://www.amazon.com/gp/product/B08W7RB32Z/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1

3:1 Ratio - Adhesive Lined - Marine Grade Heat Shrink - Black - 50 Feet Roll

Cable Gland (20 Pack) PG7 Waterproof



https://www.amazon.com/AMPELE-Waterproof-Plastic-Adjustable-3-5-6mm/dp/B08TCFM4C7/ref=sxts_b2b_sx_reorder_ac_b_customer?content-id=amzn1.sym.44ecadb3-1930-4ae5-8e7f-c0670e7d86ce%3Aamzn1.sym.44ecadb3-1930-4ae5-8e7f-c0670e7d86ce&crid=1OH62VJ42NK1U&cv_ct_cx=pg7%2Bcable%2Bgland&keywords=pg7%2Bcable%2Bgland&pd_rd_i=B09X4GK3FT&pd_rd_r=d5becbf4-0c5a-42a5-abc4-9cc85186de9b&pd_rd_w=O3qY1&pd_rd_wg=9baEq&pf_rd_p=44ecadb3-1930-4ae5-8e7f-c0670e7d86ce&pf_rd_r=2YZKZZNZ8KDT9W166GAZ&qid=1702330671&sbo=RZvfv%2F%2FHxD%2BO5021pAnSA%3D%3D&sprefix=PG7%2B%2Caps%2C132&sr=1-1-62d64017-76a9-4f2a-8002-d7ec97456eea&th=1

22 Gauge 4 Conductor Wire (65 ft)



https://www.amazon.com/gp/product/B0BV2QHVMB/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

SeeedStudio Grove - Universal 4 Pin Buckled 20cm Cable (5 PCs Pack)



<https://www.amazon.com/Seeedstudio-Grove-Universal-Buckled-Cable/dp/B01CNZ9RJO?th=1>

https://www.amazon.com/SeeedStudio-Grove-Universal-Buckled-Cable/dp/B07PWVY9YD/ref=sr_1_14?crid=1JQ43YSRAY9SX&keyw=Seeed+Studio+Grove&qid=1706115274&s=electronics&sprefix=seeed+studio+grove%2Celectronics%2C150&sr=1-14

Fastening Cable Ties Reusable



https://www.amazon.com/gp/product/B07V73G556/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1

3/4 in. 1-Hole Strap



https://www.homedepot.com/p/Halex-Universal-3-4-in-1-Hole-Strap-4-Pack-22107/314968705?source=shoppingads&locale=en-US&pla&mtc=SHOPPING-BF-CDP-GGL-D27-027_006_CONDUIT_FIT-NA-NA-NA-PMAX-NA-NA-NA-NBR-NA-NA-NEW-NA_D27Transition&cm_mmc=SHOPPING-BF-CDP-GGL-D27-027_006_CONDUIT_FIT-NA-NA-NA-PMAX-NA-NA-NA-NBR-NA-NA-NEW-NA_D27Transition-71700000113157690--&gad_source=1&acs_info=ZmluYWxfdXJsOiAiaHR0cHM6Ly93d3cuaG9tZWRIlcG90LmNvbS9wL0hhbGV4LVVuaXZlcnNhbc0zLTQtaW4tMS1lb2xILVN0cmFwLTQtUGFjay0yMjEwNy8zMTQ5Njg3MDUiCg&gclid=Cj0KCQiAh8OtBhCQARIsAIkWb6-ZNUGk4DF6_8K9b_SG3twg-_4rTYJGDSozB688e1TayXbsJCpro0laAm47EALw_wcB&gclsrc=aw.ds

Cone Drill bit

(note that $\frac{1}{2}$ " will also work, just make sure you use an appropriate bit for plastic)



https://www.amazon.com/CO-Z-Titanium-Drilling-Cutting-Electrician/dp/B076QC5BWR/ref=sxin_14_pa_sp_search_theme?content-id=amzn1.sym.92181fe7-c843-4c1b-b489-84c087a93895%3Aamzn1.sym.92181fe7-c843-4c1b-b489-84c087a93895&crid=2U01GZIGM67DL&cv_ct_cx=cone+drill+bit&keywords=cone+drill+bit&pd_rd_i=B076QC5BWR&pd_rd_r=557b2ca0-8959-460e-91cf-71f9f81a8c58&pd_rd_w=N3oPN&pd_rd_wg=O6cNx&pf_rd_p=92181fe7-c843-4c1b-b489-84c087a93895&pf_rd_r=WGY5VA5CQWX46TTP7JY3&qid=1706724546&sbo=RZvfV%2F%2FHxD%2BO5021pAnSA%3D%3D&prefix=cone+dril%2Caps%2C165&sr=1-5-364cf978-ce2a-480a-9bb0-bdb96faa0f61-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9zZWFrY2hfdGhlbWF0aWM&psc=1