

Rheoli Chwyn yn Ymarferol

Pam rheoli chwyn?

- Diogelu cynnyrch ac ansawdd
- Cynnal rhwyddineb cynaeafu
- Atal problemau mewn cnydau dilynol
- Lleihau lledaeniad plâu a chlefydau
- Llai o risg o halogi cnydau e.e. mae creulys, codwarth du, a blodau-menyn yn wenwynig
- Balchder mewn tyfu'r cnwd

Opsiynau ar gyfer rheoli chwyn

- Cylchdro: mae chwyn penodol yn haws i'w rheoli mewn rhai cnydau
- Amaethu: dinistrio chwyn yn aml drwy eu claddu
- Hylendid: peidio â throsglwyddo hadau ar beiriannau fferm
- Tynnu â llaw: costus, ond yr unig opsiwn ar gyfer rhai cnydau
- Cnydau mwy cystadleuol: megis hau cnydau gorchudd o dan gnydau eraill
- Cemegol: chwynladdwyr cyffredinol (cyn neu ar ôl ymddangosiad neu blannu)
- Rheolaeth gemegol: gan gynnwys chwynnu i lawr, rhwng neu o fewn rhesi

Opsiynau rheoli diwylliannol

- Aredig: claddu'r chwyn ond yn symbylu hadau chwyn yn y banc hadau
- Cylchdroi cnydau gan gynnwys braenaru: caniatáu i hadau chwyn cwsgegin a sychu'n rhwydd
- Cnydau'r gwanwyn: mae hyn yn eich galluogi i reoli chwyn y gwanwyn cyn i'r cnwd sefydlu
- Oedi drilio neu blannu yn yr hydref: aros nes bod yr amodau'n llai ffafriol ar gyfer chwyn
- Glendid soffl (ynghyd â chwynladdwr annetholus): cynhyrchion megis glyffosad
- Cnydau a chyltifarau cystadleuol: gall amrywiaethau sy'n tyfu'n sydyn gystadlu'n well na chwyn
- Trin o fewn y cnwd: yn nodweddiadol, chwynnu i lawr, rhwng neu o fewn y rhes

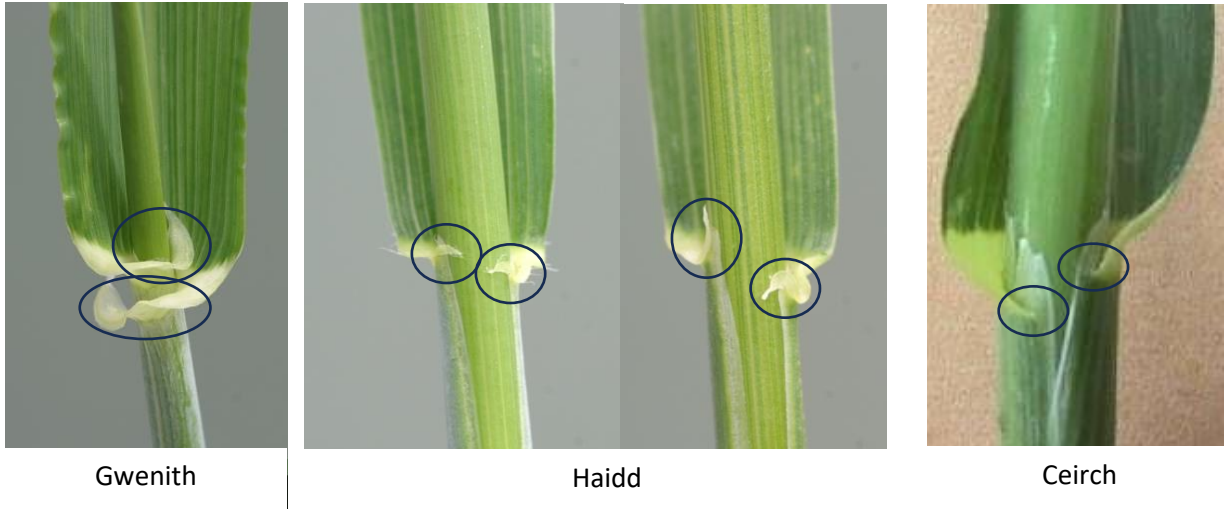
Adnabod chwyn

- Mae'n bwysig gallu adnabod chwyn gan fod cynhyrchion cemegol i reoli chwyn yn dueddol o fod yn benodol i deuluoedd unigol o blanhigion (rhoddir enghreifftiau yn nes ymlaen).
- Mae strategaethau rheoli cemegol yn fwy effeithiol pan fo'r planhigion yn llai, h.y. mae planhigion chwyn prenaidd mawr yn llawer anoddach i'w sychu.
- Mae hyn yn golygu bod adnabod dail cyntaf (cotyledonau) planhigion chwyn a'u dail cyflawn cyntaf yn hanfodol.
- Gellir categorio chwyn fel glaswelltau (monocotyledonau) neu chwyn llydanddail (deugotyledonau).
- Bydd y ddwy adran nesaf yn edrych ar adnabod chwyn glaswellt a llydanddail cyffredin.

Chwyn glaswellt

- Gwenith: awriglau'n bresennol (yn ymestyn yn rhannol), yn aml yn flewog

- Haidd: awriglau'n bresennol (yn croesi ar draws ei gilydd), dim blew
- Ceirch: dim awriglau



- Gweunwellt Unflwydd:
 - Deilen wedi plygu yn y coesyn
 - Dail gwyrdd golau
 - Blaen crwm gyda llinell ganolog amlwg ar hyd y cefn



- Cynffonwellt du:
 - Dail troellog gyda blaen heb bigyn (mân, llyfn a sgleiniog gyda rhigol amlwg)
 - Pilenni isaf yn aml yn goch/porffor fel y coesyntau



- Pawrwellt Hysb:
 - Dail pigog wedi'u gorchuddio â blew mân

- Gwaelod y coesyn - streipiog



- Byswellt:
 - Yn gallu tyfu'n dal ac yn dwmpathog
 - Gwyrdd-las o ran lliw gyda gwead garw
 - Pen blodyn yn debyg i droed ceiliog



Chwynn Ilydanddail

Siapiau Cotyledon

Choose cotyledon shape

| | | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | | |
| long & thin | oblong or oval | round or wide | notched | complex | none or stipule |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Moronen y maes



Mwg-y-ddaear



Nodwydd y bugail

| | | | | | |
|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | | |
| long & thin | oblong or oval | round or wide | notched | complex | none or stipule |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Llau'r offeiriad



Tafolen



Piblys

0 mm 20 mm

Choose cotyledon shape

| | | | | | |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| | | | | | |
| long & thin | oblong or oval | round or wide | notched | complex | none or stipule |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Llygad y dydd



Danhadlen Leiaf



Pig-yr-aran

Choose cotyledon shape

| | | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| | | | | | |
| long & thin | oblong or oval | round or wide | notched | complex | none or stipule |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Mwstard








Llau'r Offeiriad



Pig-yr-aran

Choose cotyledon shape

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| long & thin | oblong or oval | round or wide | notched | complex | none or stipule |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |









Amsincia



Pig-y-crëyr

Choose cotyledon shape

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| long & thin | oblong or oval | round or wide | notched | complex | none or stipule |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |



Ffacbys



Pys

First true leaf shapes

Choose leaf shape

| | | | | | |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | | |
| Oval or oblong | Roundleaf | Needle | Wavy edged | Divided to the stem | Whorls |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Creulys



Pwrs y Bugail

Choose leaf shape

| | | | | | |
|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | | |
| Oval or oblong | Roundleaf | Needle | Wavy edged | Divided to the stem | Whorls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Geuberllys



Pig-yr-aran



Cwlwm y Cythraul

Choose leaf shape

| | | | | | |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| | | | | | |
| Oval or oblong | Roundleaf | Needle | Wavy edged | Divided to the stem | Whorls |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Troellig yr ŷd



Had llin

Choose leaf shape

| | | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| | | | | | |
| Oval or oblong | Roundleaf | Needle | Wavy edged | Divided to the stem | Whorls |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



Melyn yr ŷd



Pabi

Choose leaf shape

| | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|
| | | | | | |
| Oval or oblong | Roundleaf | Needle | Wavy edged | Divided to the stem | Whorls |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |



Nodwydd y bugail



Amranwen

Choose leaf shape

| | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| | | | | | |
| Oval or oblong | Roundleaf | Needle | Wavy edged | Divided to the stem | Whorls |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |



Llau'r offeiriad

Chwyn garddwriaethol cyffredin

Blodyn-ymenyn ymlusgol



Llaethysgallen y tir âr



Ysgallen y maes



Marchrawnen yr ardir



Cwmpantlys



Cwlwm y cythraul



Troed-yr-wydd gwyn



Creulys



Gwlyddyn



Amranwen



Marddanhadlen goch



Danhadlen fach



Pig-yr-aran



Berwr chwerw blewog



Llau'r offeiriad



Tatws sy'n tyfu'n wirfoddol



Dail Tafol



Opsiynau rheoli cemegol ar gyfer cnydau awyr agored (15/02/2024)

Asbaragws

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Aclonifen |
| 3 | Carfentrazone-ethyl |
| 4 | Clomazone |
| 5 | Clopyralid |
| 6 | Asidau brasterog: asid pelargonig |
| 7 | Fluazifop-P-butyl |
| 8 | Flufenacet |
| 9 | Glyffosad |
| 10 | Isoxaben |
| 11 | Metribuzin |
| 12 | Pendimethalin |
| 13 | Pyridate |

Rhiwbob

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Aclonifen |
| 3 | Carfentrazone-ethyl |
| 4 | Clomazone |
| 5 | Clopyralid |
| 6 | Asidau brasterog: asid pelargonig |
| 7 | Fluazifop-P-butyl |
| 8 | Glyffosad |
| 9 | Isoxaben |
| 10 | Metribuzin |
| 11 | Pendimethalin |
| 12 | Propyzamide |

Bresych

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clethodim |
| 4 | Clomazone |
| 5 | Clopyralid |
| 6 | Cycloxydim |
| 7 | Dimethenamid-P |
| 8 | Asidau brasterog: asid pelargonig |
| 9 | Glyffosad |
| 10 | Metazachlor |
| 11 | Napropamide |
| 12 | Pendimethalin |
| 13 | Pyridate |
| 14 | S-metolachlor |

Brocoli, Calabrese a Blodfresych

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clomazone |
| 4 | Clopyralid |
| 5 | Cycloxydim |
| 6 | Dimethenamid-P |
| 7 | Asidau brasterog: asid pelargonig |
| 8 | Glyffosad |
| 9 | Metazachlor |
| 10 | Napropamide |
| 11 | Pendimethalin |
| 12 | Propyzamide |
| 13 | Pyridate |
| 14 | S-metolachlor |

Moron

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Aclonifen |
| 3 | Carfentrazone-ethyl |
| 4 | Clethodim |
| 5 | Clomazone |
| 6 | Cycloxydim |
| 7 | Diflufenican |
| 8 | Asidau brasterog: asid pelargonig |
| 9 | Fluazifop-P-butyl |
| 10 | Flumioxazine |
| 11 | Glyffosad |
| 12 | Isoxaben |
| 13 | Metribuzin |
| 14 | Pendimethalin |
| 15 | Propaquizafop |
| 16 | Prosulfocarb |

Panas

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Aclonifen |
| 3 | Carfentrazone-ethyl |
| 4 | Clethodim |
| 5 | Cycloxydim |
| 6 | Diflufenican |
| 7 | Asidau brasterog: asid pelargonig |
| 8 | Fluazifop-P-butyl |
| 9 | Flumioxazine |
| 10 | Glyffosad |
| 11 | Isoxaben |
| 12 | Metamitron |
| 13 | Metribuzin |
| 14 | Pendimethalin |
| 15 | Propaquizafop |
| 16 | Prosulfocarb |

Nionod/Winwns

| | |
|----|-----------------------------------|
| 1 | Carfentrazone-ethyl |
| 2 | Clethodim |
| 3 | Clopyralid |
| 4 | Dimethenamid-P |
| 5 | Ethofumesate |
| 6 | Asidau brasterog: asid pelargonig |
| 7 | Fluazifop-P-butyl |
| 8 | Flumioxazine |
| 9 | Glyffosad |
| 10 | Isoxaben |
| 11 | Pendimethalin |
| 12 | Propaquizafop |

Cennin

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Aclonifen |
| 3 | Bentazone |
| 4 | Carfentrazone-ethyl |
| 5 | Clethodim |
| 6 | Clopyralid |
| 7 | Cycloxydim |
| 8 | Dimethenamid-P |
| 9 | Asidau brasterog: asid pelargonig |
| 10 | Fluroxypyr |
| 11 | Glyffosad |
| 12 | Isoxaben |
| 13 | Metazachlor |
| 14 | Pendimethalin |
| 15 | Prosulfocarb |
| 16 | Pyridate |

Dail bach

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clomazone |
| 4 | Cycloxydim |
| 5 | Dimethenamid-P |
| 6 | Asidau brasterog: asid pelargonig |
| 7 | Fluazifop-P-butyl |
| 8 | Glyffosad |
| 9 | Lenacil |
| 10 | Napropamide |
| 11 | Pendimethalin |
| 12 | Propyzamide |
| 13 | S-metolachlor |

Sbigoglys

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clomazone |
| 4 | Clopyralid |
| 5 | Cycloxydim |
| 6 | Asidau brasterog: asid pelargonig |
| 7 | Fluazifop-P-butyl |
| 8 | Glyffosad |
| 9 | Lenacil |
| 10 | Napropamide |
| 11 | Phenmedipham |

Letys

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Cycloxydim |
| 4 | Dimethenamid-P |
| 5 | Asidau brasterog: asid pelargonig |
| 6 | Fluazifop-P-butyl |
| 7 | Glyffosad |
| 8 | Pendimethalin |
| 9 | Propyzamide |
| 10 | S-metolachlor |

Radis

| | |
|---|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Asidau brasterog: asid pelargonig |
| 4 | Fluazifop-P-butyl |
| 5 | Glyffosad |
| 6 | Propaquizafop |

Maip

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clethodim |
| 4 | Clopyralid |
| 5 | Cycloxydim |
| 6 | Dimethenamid-P |
| 7 | Asidau brasterog: asid pelargonig |
| 8 | Fluazifop-P-butyl |
| 9 | Glyffosad |
| 10 | Metazachlor |
| 11 | Napropamide |
| 12 | Propaquizafop |
| 13 | Propyzamide |
| 14 | S-metolachlor |

Pwmpen

| | |
|---|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clomazone |
| 4 | Dimethenamid-P |
| 5 | Asidau brasterog: asid pelargonig |
| 6 | Glyffosad |
| 7 | Isoxaben |
| 8 | Pendimethalin |
| 9 | Propyzamide |

Swêj

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clethodim |
| 4 | Clomazone |
| 5 | Clopyralid |
| 6 | Cycloxydim |
| 7 | Dimethenamid-P |
| 8 | Asidau brasterog: asid pelargonig |
| 9 | Fluazifop-P-butyl |
| 10 | Glyffosad |
| 11 | Metazachlor |
| 12 | Napropamide |
| 13 | Propaquizafop |
| 14 | S-metolachlor |

Courgette

| | |
|---|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clomazone |
| 4 | Dimethenamid-P |
| 5 | Asidau brasterog: asid pelargonig |
| 6 | Glyffosad |
| 7 | Isoxaben |
| 8 | Pendimethalin |
| 9 | Propyzamide |

Betys

| | |
|----|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clethodim |
| 4 | Clopyralid |
| 5 | Cycloxydim |
| 6 | Diflufenican |
| 7 | Ethofumesate |
| 8 | Asidau brasterog: asid pelargonig |
| 9 | Fluazifop-P-butyl |
| 10 | Glyffosad |
| 11 | Lenacil |
| 12 | Metamitron |
| 13 | Phenmedipham |
| 14 | Propaquizafop |
| 15 | Quizalofop-ethyl |
| 16 | Quizalofop-P-ethyl |
| 17 | S-metolachlor |
| 18 | Triflurosulfuron-methyl |

Ysgallddail

| | |
|---|-----------------------------------|
| 1 | 2,4-D |
| 2 | Carfentrazone-ethyl |
| 3 | Clopyralid |
| 4 | Cycloxydim |
| 5 | Asidau brasterog: asid pelargonig |
| 6 | Fluazifop-P-butyl |
| 7 | Glyffosad |
| 8 | Lenacil |
| 9 | Phenmedipham |

Pys – codennau bwytdwy

| | |
|----|---------------------|
| 1 | 2,4-D |
| 2 | Bentazone |
| 3 | Carfentrazone-ethyl |
| 4 | Clethodim |
| 5 | Clomazone |
| 6 | Cycloxydim |
| 7 | Fluazifop-P-butyl |
| 8 | Glyffosad |
| 9 | Pendimethalin |
| 10 | Prosulfocarb |
| 11 | S-metolachlor |

Ffa - llydan

| | |
|----|---------------------|
| 1 | 2,4-D |
| 2 | Bentazone |
| 3 | Carfentrazone-ethyl |
| 4 | Clethodim |
| 5 | Clomazone |
| 6 | Cycloxydim |
| 7 | Fluazifop-P-butyl |
| 8 | Glyffosad |
| 9 | Imazamox |
| 10 | Isoxaben |
| 11 | Pendimethalin |
| 12 | Propaquizafop |
| 13 | Prosulfocarb |

| | |
|----|---------------------|
| 1 | 2,4-D |
| 2 | Bentazone |
| 3 | Carfentrazone-ethyl |
| 4 | Clethodim |
| 5 | Clomazone |
| 6 | Cycloxydim |
| 7 | Glyffosad |
| 8 | Pendimethalin |
| 9 | Propaquizafop |
| 10 | S-metolachlor |

| | |
|---|---------------------|
| 1 | 2,4-D |
| 2 | Bentazone |
| 3 | Carfentrazone-ethyl |
| 4 | Clethodim |
| 5 | Clomazone |
| 6 | Cycloxydim |
| 7 | Glyffosad |
| 8 | Pendimethalin |
| 9 | S-metolachlor |

Chwynladdwyr – chwyn targed (enghreiffiau)

| Cnwd | Sylwedd gweithredol | Gwreiddiau targed |
|--|------------------------------|--|
| Corbwmpen (yn yr awyr agored) | Dimethenamid-P/pendimethalin | Gweunwellt unflwydd chwyn llydanddail |
| Radis (yn yr awyr agored) | Propaquizafop | Cnydau gorchudd haidd cynffonwellt du marchwellt rhygwelltau pawrwellt hysb haidd sy'n tyfu'n wirfoddol rhyg sy'n tyfu'n wirfoddol gwenith sy'n tyfu'n wirfoddol ceirch gwyllt |
| Broccoli (yn yr awyr agored) | Dimethenamid-P/metazachlor | Gweunwellt unflwydd Mwstard gwyllt troed-yr-ŵydd gwyn creulys amranwen y ganwraidd goesgoch pwrs y bugail y ddanhadlen leiaf |
| Ysgallddail (yn yr awyr agored) | Clopyralid | Chwyn compositae creulys amranwen |
| Letys (yn yr awyr agored) | Propyzamide | Rheoli chwyn cyffredinol |
| Pys (codennau bwytdwy) (yn yr awyr agored) | Prosulfocarb | Codwarth du Gwlydd y dom Rhwyddlwyn y maes pig-yr-aran sgorpionllys rhwyddllyn y maes gwyrdd rhwyddlwyn dail eiddew marddanhadlen goch rhwyddlwyn y fagwyr |

Chwistrellu manwl gywir

Chwistrellu clyfar (Ecorobotix)



Chwistrellwyr Band (Varidome)



Peiriannau Weed Wiper



Enghreifftiau o beiriannau rheoli chwyn mecanyddol

Peiriant trin tir rhwng y rhesi (Edwards Farm Machinery)



Peiriant palu rhwng y rhesi (Edwards Farm Machinery)



Peiriant trin o fewn rhesi – wedi'i reoli â llaw (Edwards Farm Machinery)



Trin o fewn y rhesi – wedi'i reoli gan gamera (Stout and Garford)



Dronau Ymreolaethol (Farm Droid, Robotti a Nao Technologies)



Peiriannau chwynnu trydan a golau cyfeiriedig (Rootwave ac Earth Rover)



Gorchudd plastig – mae'n bosibl ei osod a'i ddrilio/plannu ar yr un pryd



Peiriant rholio a chrimpio – i wthio cnwd gorchudd yn ôl yn barod ar gyfer drilio/plannu

