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Jarvis, S.G.; Redhead, J.W.; Henrys, P.A.; Risser, H.A.; Da Silva Osório, B.M.; Pywell, R.F. (2020). UKCEH Land Cover plus: Pesticides 2012-2017 (England, Scotland and Wales). NERC Environmental Information Data Centre. <https://doi.org/10.5285/99a2d3a8-1c7d-421e-ac9f-87a2c37bda62>

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Osório, B.; Redhead, J.W.; Jarvis, S.G.; May, L.; Pywell, R.F. (2019). UKCEH Land Cover plus: Fertilisers 2010-2015 (England). NERC Environmental Information Data Centre. <https://doi.org/10.5285/15f415db-e87b-4ab5-a2fb-37a78e7bf051>

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DOI for Land Cover Map 2021 (land parcels, N. Ireland): Marston, C.; Rowland, C.S.; O’Neil, A.W.; Morton, R.D. (2022). Land Cover Map 2021 (land parcels, N. Ireland). NERC EDS Environmental Information Data Centre. <https://doi.org/10.5285/abe1f414-6168-4e04-9dc9-4a658a3136ca>

DOI for Land Cover Map 2021 (25m rasterised land parcels, GB): Marston, C.; Rowland, C.S.; O’Neil, A.W.; Morton, R.D. (2022). Land Cover Map 2021 (25m rasterised land parcels, GB). NERC EDS Environmental Information Data Centre. <https://doi.org/10.5285/a1f85307-cad7-4e32-a445-84410efdfa70>

DOI for Land Cover Map 2021 (25m rasterised land parcels, N. Ireland): Marston, C.; Rowland, C.S.; O’Neil, A.W.; Morton, R.D. (2022). Land Cover Map 2021 (25m rasterised land parcels, N. Ireland). NERC EDS Environmental Information Data Centre. <https://doi.org/10.5285/f3310fe1-a6ea-4cdd-b9f6-f7fc66e4652e>

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DOI for Land Cover Map 2021 (10m classified pixels, N. Ireland): Marston, C.; Rowland, C.S.; O’Neil, A.W.; Morton, R.D. (2022). Land Cover Map 2021 (10m classified pixels, N. Ireland). NERC EDS

Environmental Information Data Centre. <https://doi.org/10.5285/e44ae9bd-fa32-4aab-9524-fbb11d34a20a>

DOI for Land Cover Map 2021 (1km summary rasters, GB and N. Ireland): Marston, C.; Rowland, C.S.; O'Neil, A.W.; Morton, R.D. (2022). Land Cover Map 2021 (1km summary rasters, GB and N. Ireland). NERC EDS Environmental Information Data Centre. <https://doi.org/10.5285/a3ff9411-3a7a-47e1-9b3e-79f21648237d>

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DOI for Land Cover Map 2020 (25m rasterised land parcels, GB): Morton, R.D.; Marston, C.G.; O'Neil, A.W.; Rowland, C.S. (2021). Land Cover Map 2020 (25m rasterised land parcels, GB) . NERC EDS Environmental Information Data Centre. <https://doi.org/10.5285/6c22cf6e-b224-414e-aa85-900325baedbd>

DOI for Land Cover Map 2020 (10m classified pixels, GB): Morton, R.D.; Marston, C.G.; O'Neil, A.W.; Rowland, C.S. (2021). Land Cover Map 2020 (10m Classified Pixels, GB). NERC EDS Environmental Information Data Centre. <https://doi.org/10.5285/35c7d0e5-1121-4381-9940-75f7673c98f7>

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DOI for Land Cover Map 2018 (20m classified pixels, NI): Morton, R.D.; Marston, C.G.; O'Neil, A.W.; Rowland, C.S. (2020). Land Cover Map 2018 (20m classified pixels, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/cf5050d8-495d-45a6-9e2e-bba5239284c2>

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DOI for Land Cover Change 1990-2015 (25m raster, NI): Rowland, C.S.; Marston, C.G.; Morton, R.D.; O'Neil, A.W. (2020). Land Cover Change 1990-2015 (25m raster, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/a747aa7a-c875-42e1-ac31-984f6571f446>

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3) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017) Land Cover Map 2015 (25m raster, GB). NERC Environmental Information Data Centre. <https://doi.org/10.5285/bb15e200-9349-403c-bda9-b430093807c7>

DOI for LCM2015 25m raster data for Northern Ireland:

4) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017) Land Cover Map 2015 (25m raster, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/47f053a0-e34f-4534-a843-76f0a0998a2f>

DOI for LCM2015 1km dominant target class data for Great Britain:

5) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017). Land Cover Map 2015 (1km dominant target class, GB). NERC Environmental Information Data Centre.

<https://doi.org/10.5285/c4035f3d-d93e-4d63-a8f3-b00096f597f5>

DOI for LCM2015 1km dominant target class data for Northern Ireland:

6) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017). Land Cover Map 2015 (1km dominant target class, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/4278d500-a165-452d-ae5f-b503323df9cb>

DOI for LCM2015 1km dominant aggregate class data for Great Britain:

7) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017). Land Cover Map 2015 (1km dominant aggregate class, GB). NERC Environmental Information Data Centre. <https://doi.org/10.5285/711c8dc1-0f4e-42ad-a703-8b5d19c92247>

DOI for LCM2015 1km dominant aggregate class data for Northern Ireland:

8) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017). Land Cover Map 2015 (1km dominant aggregate class, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/c38b3986-b67e-40e9-9026-85ddbe3830d3>

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DOI for LCM2015 1km percentage aggregate class data for Great Britain:

11) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017). Land Cover Map 2015 (1km percentage aggregate class, GB). NERC Environmental Information Data Centre. <https://doi.org/10.5285/7115bc48-3ab0-475d-84ae-fd3126c20984>

DOI for LCM2015 1km percentage aggregate class data for Northern Ireland:

12) Rowland, C.S.; Morton, R.D.; Carrasco, L.; McShane, G.; O'Neil, A.W.; Wood, C.M. (2017). Land Cover Map 2015 (1km percentage aggregate class, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/362feaea-0ccf-4a45-b11f-980c6b89a858>

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DOI for LCM2007 Vector data for Northern Ireland:

2) Morton, R.D.; Rowland, C.; Wood, C.M.; Meek, L.; Marston, G.; Smith, G.; Wadsworth, R.; Simpson, I. (2011). Land Cover Map 2007 (vector, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/fdc3fd67-a0bc-4e94-950e-9cabd4e636bb>

DOI for LCM2007 25m raster data for Great Britain:

3) Morton, R.D.; Rowland, C.S.; Wood, C.M.; Meek, L.; Marston, C.G.; Smith, G.M. (2014). Land Cover Map 2007 (25m raster, GB) v1.2. NERC Environmental Information Data Centre. <https://doi.org/10.5285/a1f88807-4826-44bc-994d-a902da5119c2>

DOI for LCM2007 25m raster data for Northern Ireland:

4) Morton, R.D.; Rowland, C.; Wood, C.; Meek, L.; Marston, G.; Smith, G.; Wadsworth, R.; Simpson, I. (2011). Land Cover Map 2007 (25m raster, NI). NERC Environmental Information Data Centre. <https://doi.org/10.5285/08b78c4b-cd3f-4eeb-a9eb-9c3e88812f16>

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5) Morton, R.D.; Rowland, C.S.; Wood, C.M.; Meek, L.; Marston, C.G.; Smith, G.M. (2014). Land Cover Map 2007 (1km dominant target class, GB) v1.2. NERC Environmental Information Data Centre. <https://doi.org/10.5285/6cffd348-dad7-46f9-9c5b-8d904dd5b2a2>

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6) Morton, R.D.; Rowland, C.; Wood, C.; Meek, L.; Marston, G.; Smith, G.; Wadsworth, R.; Simpson, I. (2011). Land Cover Map 2007 (1km dominant target class, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/62dfb6c0-da6b-4b4c-a1c0-595bca2f1e5f>

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7) Morton, R.D.; Rowland, C.S.; Wood, C.M.; Meek, L.; Marston, C.G.; Smith, G.M. (2014). Land Cover Map 2007 (1km dominant aggregate class, GB) v1.2. NERC Environmental Information Data Centre. <https://doi.org/10.5285/c3723adb-1a8c-4b57-958b-1d610d2c37fe>

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8) Morton, R.D.; Rowland, C.S.; Wood, C.M.; Meek, L.; Marston, C.G.; Smith, G.M. (2014). Land Cover Map 2007 (1km dominant aggregate class, N. Ireland) v1.2. NERC Environmental Information Data Centre. <https://doi.org/10.5285/48cd6732-bbfb-466d-ba80-ecc9e591a5c0>

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12) Morton, R.D.; Rowland, C.; Wood, C.; Meek, L.; Marston, G.; Smith, G.; Wadsworth, R.; Simpson, I. (2011). Land Cover Map 2007 (1km raster, percentage aggregate class, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/1e7d5e08-9e24-471b-ae37-49b477f695e3>

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DOI for LCM2000 Vector data for Northern Ireland:

2) Fuller, R.M.; Smith, G.M.; Sanderson J.M.; Hill, R.A.; Thomson, A.G.; Cox, R.; Brown, N.J.; Clarke, R.T.; Rothery, P.; Gerard, F.F. (2002). Land Cover Map 2000 (vector, N.Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/9f043047-d1c7-4852-b513-aa00204022a8>

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3) Fuller, R.M.; Smith, G.M.; Sanderson J.M.; Hill, R.A.; Thomson, A.G.; Cox, R.; Brown, N.J.; Clarke, R.T.; Rothery, P.; Gerard, F.F. (2002). Land Cover Map 2000 (25m raster, GB). NERC Environmental Information Data Centre. <https://doi.org/10.5285/f802edfc-86b7-4ab9-b8fa-87e9135237c9>

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4) Fuller, R.M.; Smith, G.M.; Sanderson J.M.; Hill, R.A.; Thomson, A.G.; Cox, R.; Brown, N.J.; Clarke, R.T.; Rothery, P.; Gerard, F.F. (2002). Land Cover Map 2000 (25m raster, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/b93de9e7-176b-49cb-92aa-4eccdb72aac1>

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5) Fuller, R.M.; Smith, G.M.; Sanderson J.M.; Hill, R.A.; Thomson, A.G.; Cox, R.; Brown, N.J.; Clarke, R.T.; Rothery, P.; Gerard, F.F. (2002). Land Cover Map 2000 (1km dominant target class, GB). NERC Environmental Information Data Centre. <https://doi.org/10.5285/abff8409-0995-48d2-9303-468e1a9fe3df>

DOI for LCM2000 1km dominant target class data for Northern Ireland:

6) Fuller, R.M.; Smith, G.M.; Sanderson J.M.; Hill, R.A.; Thomson, A.G.; Cox, R.; Brown, N.J.; Clarke, R.T.; Rothery, P.; Gerard, F.F. (2002). Land Cover Map 2000 (1km dominant target class, N.Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/e025d2f5-059c-41de-b856-202d8b2d4719>

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7) Fuller, R.M.; Smith, G.M.; Sanderson J.M.; Hill, R.A.; Thomson, A.G.; Cox, R.; Brown, N.J.; Clarke, R.T.; Rothery, P.; Gerard, F.F. (2002). Land Cover Map 2000 (1km dominant aggregate class, GB). NERC Environmental Information Data Centre. <https://doi.org/10.5285/b8b8a266-9162-40d8-98a6-f44178d31543>

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8) Fuller, R.M.; Smith, G.M.; Sanderson J.M.; Hill, R.A.; Thomson, A.G.; Cox, R.; Brown, N.J.; Clarke, R.T.; Rothery, P.; Gerard, F.F. (2002). Land Cover Map 2000 (1km dominant aggregate class, N.Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/f6fc7bd4-6525-4850-b832-24b6c05b8074>

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DOI for LCM1990 Vector data for Northern Ireland:

2) Rowland, C.S.; Marston, C.G.; Morton, R.D.; O'Neil, A.W. (2020). Land Cover Map 1990 (vector, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/d6a3588b-23a8-4715-88e9-e21ab0060727>

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DOI for LCM1990 1km percentage aggregate class data for Northern Ireland:

12) Rowland, C.S.; Marston, C.G.; Morton, R.D.; O’Neil, A.W. (2020). Land Cover Map 1990 (1km percentage aggregate class, N. Ireland). NERC Environmental Information Data Centre. <https://doi.org/10.5285/1278d7b5-da47-46b5-b1a6-049e726425a7>

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Morris DG and Flavin RW, 1994. Sub-set of UK 50 m by 50 m hydrological digital terrain model grids. NERC, Institute of Hydrology, Wallingford.'

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'Boorman, D.B., Hollis, J.M. & Lilly, A., 1995. Hydrology of soil types: a hydrologically based classification of the soils of the United Kingdom. Institute of Hydrology Report No. 126. 137pp.'

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