Mitigation Methods

Method no.	Method	Nitrate	Nitrate mid point	Nitrate mid point losses	N kg/ha reduction target	P Reduction Range	P Reduction mid point	P mid point losses	P kg/ha reduction target	Sediment mid point reduction	Sediment mid point losses	Sediment kg/ha reduction target
4	Use autumn cover crops	-30% to -60%	-45%	32.5	-14.6	-20% to -80%	-50%	0.5	-0.3	-50%	152.5	-76.3
5	Harvest early and establish crops in Autumn	-30%	-30%	32.5	-9.8	-20% to -50%	-35%	0.5	-0.2	-35%	152.5	-53.4
6	Cultivate land in Spring rather than Autumn	-20% to -50%	-35%	32.5	-11.4	-20% to -50%	-35%	0.5	-0.2	-35%	152.5	-53.4
7	Reduced cultivation systems	-20%	-20%	32.5	-6.5	-60% to -90%	-75%	0.5	-0.4	-75%	152.5	-114.4
8	Cultivate compacted tillage soils	~	0%	32.5	0.0	-10% to -50%	-30%	0.5	-0.2	-30%	152.5	-45.8
9	Cultivate and drill across the slope	~	0%	32.5	0.0	-40% to -80%	-60%	0.5	-0.3	-60%	152.5	-91.5
10	Leave Autumn seedbeds rough	~		32.5	0.0	-20%	-20%	0.5	-0.1	-20%	152.5	-30.5
11	Manage over-winter tramlines	~	0%	32.5	0.0	-30% to -50%	-40%	0.5	-0.2	-40%	152.5	-61.0
13	Establish in field buffer strips	<5kg/ha		32.5	0.0	-20% to -80%	-50%	0.5	-0.3	-50%	152.5	-76.3
14	Establish riparian buffer strips	<5kg/ha		32.5	0.0	-20% to -80%	-50%	0.5	-0.3	-50%	152.5	-76.3
15	Loosen compacted soil	~	0%	32.5	0.0	-10% to -50%	-30%	0.5	-0.2	-30%	152.5	-45.8
19	Make use of improved genetic resources	-10%		32.5	0.0	-10%		0.5	0.0	0%	152.5	0.0
20	Use plants with improved N efficiency	-10%		32.5	0.0	~		0.5	0.0	0%	152.5	0.0
21	Fertiliser spreader calibration	-5%	-5%	32.5	-1.6	~	0%	0.5	0.0	0%	152.5	0.0
22	Use a fertiliser recommendation system	-5%	-5%	32.5	-1.6	-5%	-5%	0.5	0.0	-5%	152.5	-7.6
23	Integrate fertiliser and manure nutrient supply	-10%	-10%	32.5	-3.3	-10%	-10%	0.5	-0.1	-10%	152.5	-15.3
24	Reduce fertiliser application rates	-0.1	-10%	32.5	-3.3	-0.1	-10%	0.5	-0.1	-10%	152.5	-15.3
25	No fertiliser to high risk areas	-0.02	-2%	32.5	-0.7	-0.1	-10%	0.5	-0.1	-10%	152.5	-15.3
26	No fertiliser at high risk times	-5%	-5%	32.5	-1.6	-10%	-10%	0.5	-0.1	-10%	152.5	-15.3
31	Use clover in place of N fertiliser	-0.2	-20%	32.5	-6.5	~	0%	0.5	0.0	0%	152.5	0.0
32	No P fertiliser to high P-index soils	~	0%	32.5	0.0	-30%	-30%	0.5	-0.2	-30%	152.5	-45.8
32	No P fertiliser to high P-index soils	~	0%	32.5	0.0	-30%	-30%	0.5	-0.2	-30%	152.5	-45.8
32	No P fertiliser to high P-index soils	~	0%	32.5	0.0	-0.3	-30%	0.5	-0.2	-30%	152.5	-45.8
33	Reduced dietary N/P intake	-0.1		32.5	0.0			0.5	0.0	0%	152.5	0.0
34	Phase feeding of livestock	-5%		32.5	0.0			0.5	0.0	0%	152.5	0.0
37	Reduce stocking rate in wet soils	-20%		32.5	0.0	-10%		0.5	0.0	0%	152.5	0.0
38	Frequently move feeders	-0.02		32.5	0.0	-0.1		0.5	0.0	0%	152.5	0.0
39	Construct water troughts with a firm but permeable ba	-2%	-2%	32.5	-0.7	-10%		0.5	0.0	0%	152.5	0.0
41	Reduce overall stocking rate	-20%		32.5	0.0	-30%		0.5	0.0	0%	152.5	0.0
43	Additional straw bedding in cattle housing	1		32.5	0.0	~		0.5	0.0	0%	152.5	0.0
45	Outwinter on woodchip pad	100%		32.5	0.0			0.5	0.0	0%	152.5	0.0