

Landholder Guide



Guidelines for applying the *Clearing of Invasive Native Species* Ministerial Order (INS self-assessable code)

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Cover photo: The chaining method in use for clearing cypress pine/Paul Theakston, Western Local Land Services.

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1. Introduction

This guide is for NSW landholders who are managing invasive native scrub (INS) on their property.

Together with the *Clearing of Invasive Native Species* Ministerial Order, this guide forms a self-assessable code for the management of invasive native scrub (the INS self-assessable code). The INS self-assessable code has been created to allow you to undertake management of INS without requiring a Property Vegetation Plan (PVP).

If you comply with the provisions of the INS self-assessable code, a PVP is not required; however, in accordance with the INS self-assessable code, you are required to notify the Local Land Services (LLS) of your intention to clear at least 14 days before that clearing is carried out.

You can notify by:

- using the online Native Vegetation Notification System available at www.environment.nsw.gov.au/vegetation/onlinetools.htm
- using the notification form available at www.environment.nsw.gov.au/resources/nvrtapp/NotificationForm.pdf
- contacting your nearest Local Land Services office where they will help you with the notification process.

For more information about the notification process, please refer to the fact sheet *The notification process*.

How to use the INS self-assessable code

The Clearing of Invasive Native Species Ministerial Order sets the rules that you will need to comply with. The order is made under the provisions of clause 38 of the Native Vegetation Regulation 2013.

This guide takes you through the process of identifying and planning to clear INS on your property, in accordance with the ministerial order.

The Clearing of Invasive Native Species Ministerial Order states:

Purpose of these conditions

For the purposes of this Ministerial Order, 'invasive native scrub' (INS) refers to plants:

- a. for which the species is declared an invasive native species for the relevant Local Land Services Region, and
- b. are regenerating densely or are invading plant communities, causing decline in the structure or composition of the vegetation community.

Clearing of INS will be a routine agricultural management activity if it is carried out in accordance with this Ministerial Order and the conditions of the order set out in this schedule.

The intent is to allow for self-assessment to control and manage INS. The objective of INS clearing is to create a mosaic of native vegetation states across the landscape by allowing the clearing of some of the INS and encouraging the re-establishment of and/or natural regeneration of more desirable native vegetation.

Please note that throughout this guide you will find text extracted from the *Clearing of Invasive Native Species* Ministerial Order. Such text is set out in blue breakout boxes, as above. Explanatory text directly follows the blue breakout box to assist your interpretation of the Ministerial Order. Not all of the text in the Ministerial Order is included in the blue boxes. A full copy of the Ministerial Order can be found at www.environment.nsw.gov.au/resources/vegetation/140276INSorder.pdf

A list of definitions for terms used throughout this guide is available in Section 9 of this document.

Other useful information

Online tool

An online information tool has been developed to help you interpret and apply the INS Ministerial Order. It walks you through the decision-making process to determine if or how the self-assessable code will apply to your situation. It also links to sources of information that will help with self-assessment. The online tool can be used with this guide.

To use the tool go to www.environment.nsw.gov.au/vegetation/onlinetools.htm.

Note: When you use the online tool the information is *not* recorded or saved in any way. You can use the tool completely anonymously. This is confirmed in the *Online tools disclaimer* on the website.

Fact sheets

A series of fact sheets are also available that will help you apply aspects of the code.

The most relevant fact sheets for INS are:

- 1. How to obtain other approvals
- 2. The notification process
- 3. Determining distances from water bodies
- 4. Assessing groundcover
- 5. Identifying invasive native species
- 6. Identifying threatened ecological communities.

These fact sheets are available at your Local Land Services office. They are also available at www.environment.nsw.gov.au/vegetation/selfassess.htm.

Further assistance

If you have any questions about using the INS self-assessable code, or would like assistance using the code to clear INS, contact your Local Land Services.

Other publications

The Local Land Services publishes a range of best practice guidelines for INS management. It is recommended you refer to these documents when undertaking the assessment and planning INS management.

A best management practice guide for managing INS in the Central West and Western Catchment is available from the Central West and Western Local Land Services.

2. Does the code apply to you?

The flowchart at Figure 1 will help you decide if the INS self-assessable code is relevant to your situation.

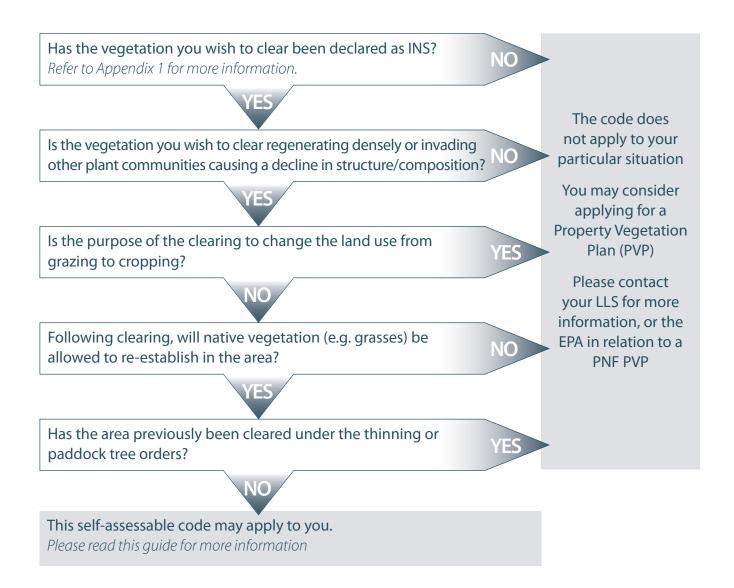


Figure 1: Does the INS self-assessable code apply to my property?

If your situation does not fit within the INS self-assessable code, you may need to discuss other options with your Local Land Services (LLS).

3. Process for an assessment using the INS self-assessable code

The flowchart in Figure 2 outlines the process that should be followed in doing an assessment using the INS self-assessable code.

Determine areas with similar vegetation and site characteristics (zones)

For each area (zone) undertake the steps below

Is the species declared an invasive native species (that is listed in Appendix 1) for the relevant Local Land Services Region?

NO

The code does not apply

Are plants regenerating densely or invading plant communities, causing decline in the structure or composition of the vegetation community?

NO

Determine what clearing types you can use

Available clearing types depend on the following site characteristics:

- proportion of INS vs non-INS plants present
- whether the vegetation is an endangered community
- · whether the vegetation is lignum or belah
- · land degradation risk level, and
- · distance from water bodies.

Determine the INS extent on the property and the amount that can be cleared by each available clearing type

For all clearing types apply general conditions listed in section 5 of the Ministerial Order

For clearing type

a. Management burning, apply conditions in section 6 of the order

For clearing type

b. Clearing
individual plants
with nil to
minimal
disturbance to soil
and groundcover,
apply conditions
in section 7 of
the order

For clearing type

c. Clearing plants
at paddock
scale with nil
to minimal
disturbance to soil
and groundcover,
apply conditions
in section 8 of
the order

For clearing type

d. Clearing plants at paddock scale with temporary disturbance to soil and groundcover, apply conditions in section 9 of the order

For clearing type

e. Clearing plants at paddock scale with longer-term disturbance to soil and groundcover, apply conditions in section 10 of the order

Figure 2: Process for applying the INS self-assessable code

See Appendix 2 for conditions on the use of clearing types.

4. What can be cleared?

The Clearing of Invasive Native Species Ministerial Order states:

1. What can be cleared?

- 1.1 INS can be cleared if:
 - a. the plants to be cleared are of a species that is a declared invasive native species (as listed in Appendix 1) for the relevant Local Land Services (LLS) region, and
 - b. the plants to be cleared are regenerating densely or are invading plant communities, causing decline in the structure or composition of the vegetation community.

Species declared as invasive native species

The extent to which plants are an invasive problem varies from place to place, because of climate, soil and other environmental variables. As a result, there is a different list of species declared as invasive native species for each Local Land Services Region.

The list of declared invasive native species is reproduced at Appendix 1 of this guide.

There are fact sheets available called *Identifying invasive native species*, to help you correctly identify each species. The fact sheets provide images and a description for each INS species likely to be in your area.

Is the species acting invasively?

In addition to being declared as an invasive native species the plants to be cleared need to be regenerating densely or invading plant communities. This will usually lead to, or may have already caused, a change in the structure and composition of the plant community. This could result in the vegetation being dominated by a particular species (or a few similar species) or the structure changing; for example, open grassy woodland may become a shrubby forest with little grass.

Historical records along with personal knowledge of the property can help you determine whether the plant species you plan to clear is invading plant communities.

Factors that may be considered when determining whether a species is acting invasively include:

- absence of mature trees in the area
- predominance of a single species and of a single or limited range of ages and/or sizes
- records (historical information or photographs), or anecdotal information from a reliable source.

Your Local Land Services can assist in identification of species and help to determine whether the plants are regenerating densely or are invading plant communities.

5. How can the vegetation be cleared?

The Clearing of Invasive Native Species Ministerial Order states:

2. How can the vegetation be cleared?

- 2.1 Subject to the site characteristics outlined in Section 3 [of the order], clearing may only be undertaken using one or more of the following clearing types:
 - a. management burning
 - b. clearing individual plants with nil to minimal disturbance to soil and groundcover
 - c. clearing plants at paddock scale with nil to minimal disturbance to soil and groundcover
 - d. clearing plants at paddock scale with temporary disturbance to soil and groundcover
 - e. clearing plants at paddock scale with longer-term disturbance to soil and groundcover.

The Ministerial Order provides for the use of a range of clearing types. Clearing types are described according to their scale of use and the level of soil and groundcover disturbance they cause. This is so the INS self-assessable code does not prevent the use of innovative clearing methods that are not listed.

Some examples of clearing methods that fit each clearing type are shown in Figure 3.



a. Management burning

Controlled burns



b. Clearing individual plants with nil disturbance to soil and groundcover

- Chemical spot treatment
- Ringbarking
- Grubbing



Paul Theakston (Mestern 115



c. Clearing plants at paddock scale with nil to minimal disturbance to soil and groundcover

- Chaining
- Slashing
- Roping
- Stick raking applied with minimal disturbance to soil and groundcover



d. Clearing plants at paddock scale with temporary disturbance to soil and groundcover

- Bladeploughing
- Crocodiling



e. Clearing plants at paddock scale with longer-term disturbance to soil and groundcover

• Short-term cropping

Figure 3 a-e: Examples of clearing methods for each clearing type

6. Where can the clearing types be used?

The Clearing of Invasive Native Species Ministerial Order states:

Where can the clearing types be used?

The clearing types identified in Section 2.1 [of the order] **can only** be used according to the site characteristic of the land where the clearing is to take place. In Table 1 [of the order, reproduced below], a ' ' indicates the availability of a clearing type for use on land with the corresponding site characteristic. A clearing type **cannot** be used on land where a '* occurs against the relevant site characteristic.

Table 1: Clearing type availability for different site characteristics

	Clearin	g type			
	Management burning	Clearing individual plants with nil to minimal disturbance to soil and groundcover	Clearing plants at paddock scale with nil to minimal disturbance to soil and groundcover	Clearing plants at paddock scale with temporary disturbance to soil and groundcover	Clearing plants at paddock scale with longer- term disturbance to soil and groundcover
	a)	b)	c)	d)	e)
Site characteristic					
1. Non-INS trees and shrubs represent >50 per cent of the total number of trees and shrubs	✓	✓	×	*	×
2. The vegetation is a threatened ecological community	✓	✓	×	*	*
3. The INS to be cleared is <i>Duma florulenta</i> (syns.: <i>Muehlenbeckia cunninghamii</i> and <i>Muehlenbeckia florulenta</i> (lignum)) and/or <i>Casuarina cristata</i> (belah)	✓	✓	*	*	*
4. The area to be cleared is of low land degradation risk	✓	✓	✓	✓	✓
5. The area to be cleared is of moderate land degradation risk	✓	✓	✓	✓	*
6. The area to be cleared is of high land degradation risk	✓	✓	×	*	×
7. The area to be cleared is within 30 metres of an estuary, wetland, or incised watercourse	✓	✓	×	×	×
8. The area to be cleared is within 100 metres of an estuary, wetland, or incised watercourse	✓	✓	✓	*	*

Depending on the clearing type you want to use you may need to assess the site characteristics of the area you want to clear. These characteristics determine which clearing types you can use.

Determining the proportion of non-INS trees and shrubs on a site

The proportion of non-INS trees and shrubs on a site determines the range of clearing types that can be used. The area to be cleared should be divided into areas (zones) with similar vegetation. The amount of non-INS should be determined for each zone.

Before starting you should complete a visual inspection of each zone. If the zone is dominated by non-INS (i.e. more than 50 per cent) the clearing types are limited to:

- a) clearing by management burning
- b) clearing individual plants with nil to minimal ground disturbance.

If the zone is dominated by INS, the clearing types are not limited by this site characteristic.

If the proportion of non-INS and INS is not clear from a visual inspection, you will need to calculate the percentage of non-INS species on a site as follows:

- Mark out a 20m X 20m plot and count the number of non-INS and INS trees and shrubs in it. A minimum of two plots should be counted for each zone.
- Add the number of non-INS stems from all the plots in each zone to determine the number of stems for non-INS trees and shrubs ('A').
- Add the total number of all stems from all the plots in each zone to determine the number of non-INS and INS trees and shrubs combined ('B').
- Divide A by B and multiply by 100 to determine the percentage (proportion) of non-INS species for the zone.

Assessing land degradation risk

If you are planning to use paddock scale clearing types (clearing types c), d) and/or e)) you will need to assess the land degradation risk. This is done by assessing the risk of water erosion, wind erosion and presence of shallow and rocky soils.

The overall risk category is determined by the highest risk level achieved out of the three individual hazards.

Details on how to do the land degradation risk assessment are at Appendix 3.

Assessing other site characteristics

The following fact sheets have been developed to help you assess the other site characteristics in Table 1 of the Ministerial Order:

- Identifying threatened ecological communities
- Determining distances from water bodies.

These fact sheets are available at your Local Land Services office. They are also available at www.environment.nsw.gov.au/vegetation/selfassess.htm.

7. How much can be cleared?

The Clearing of Invasive Native Species Ministerial Order states:

4. How much can be cleared?

4.1 No more than 80 per cent of the INS extent on the landholding may be cleared; that is, 20 per cent of the INS extent must be retained and not cleared by any clearing type.

Table 2 illustrates the proportion of the INS extent that can be cleared by each clearing type.

Table 2: Proportion of INS extent able to be cleared by each clearing type

Clearing type	Proportion o extent that c cleared		Proportion of INS extent that must be retained
Clearing type (a)	80%		20%
Management burning	3373		-070
Clearing type (b) Clearing individual plants with nil to minimal disturbance to soil and groundcover	80%		20%
Clearing type (c) Clearing plants at paddock scale with nil to minimal disturbance to soil and groundcover	Phase 1 40%	Phase 2 40%	20%
Clearing type (d)	Phase 1	Phase 2	
Clearing plants at paddock scale with temporary disturbance to soil and groundcover	40%	40%	20%
Clearing type (e) Clearing plants at paddock scale with longer-term disturbance to soil and groundcover	Phase 1 40%	Phase 2 40%	20%

Calculating INS extent

The INS extent means the extent of the areas on the landholding where:

- INS is currently present, and
- INS may not presently occur but where INS management is required to prevent their spread or recurrence.

Areas of non-native vegetation and areas of native vegetation not impacted by INS are not included in the INS extent on the landholding.

For example:

For the property shown in Figure 4 the cultivation area is excluded because there is no native vegetation and any native vegetation that regrows on that land is regrowth. The floodplain on the left hand side of the property is excluded in this case from the INS extent as it has a different soil type and is not affected by the INS. Note: in some cases the floodplain will be affected by invasive native scrub.

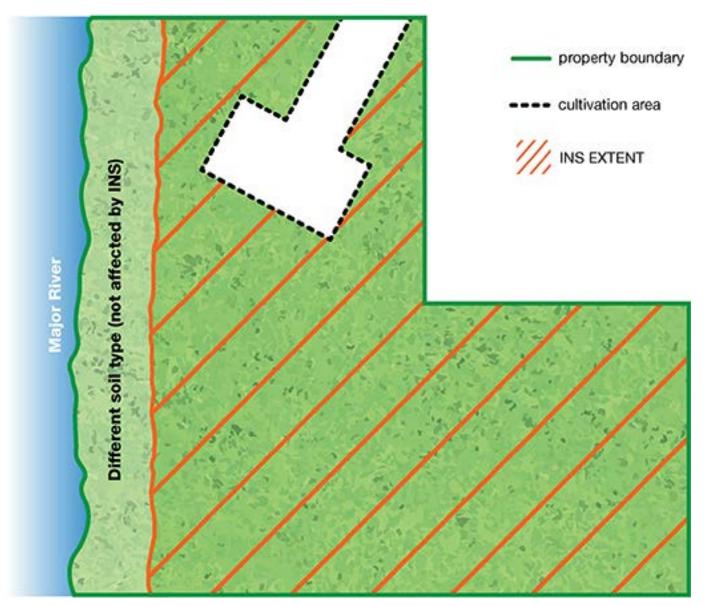


Figure 4: Calculation of INS extent

Creating a mosaic from the 20 per cent retained

Leaving 20 per cent of the INS extent untreated will help to create a mosaic of vegetation states across the landscape. It is recommended that this 20 per cent be scattered across your property in appropriately sized clumps to create a mosaic.

Figure 5 shows how the 20 per cent retained (untreated) INS might be distributed to create a mosaic of vegetation states across the property. Note some is retained along the creek, some on the rocky hill, some along fence lines and also in other clumps around the property.

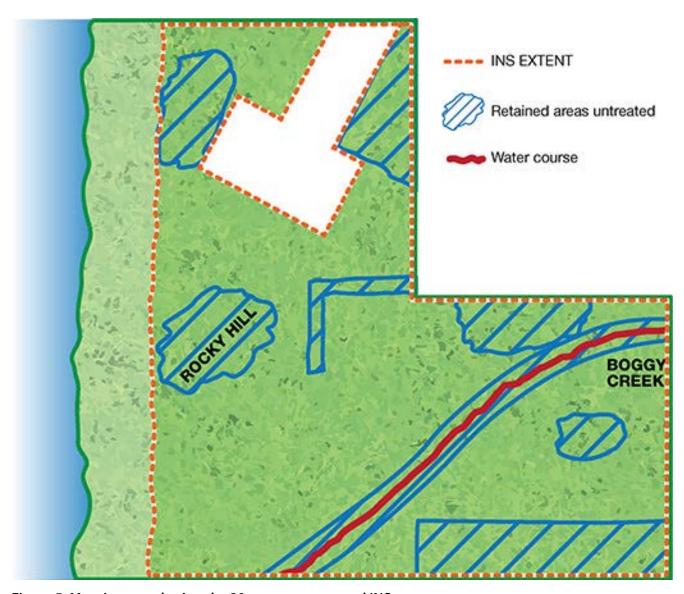


Figure 5: Mosaic created using the 20 per cent untreated INS

The Clearing of Invasive Native Species Ministerial Order states:

- 4.2 If clearing greater than 200 hectares on a landholding using clearing types c) and/or d) and/or e) (as listed in Section 2.1 [of the order]) the initial clearing increment must not exceed 40 per cent of the INS extent on the landholding, except as set out in condition 4.3 below.
- 4.3 A further 40 per cent of the INS extent may be cleared using clearing type c) and/or d) and/or e) (as listed in Section 2.1 [of the order]) if the area cleared in the initial clearing increment by these clearing types has achieved and maintained for a period of at least 12 months the following minimum groundcover recovery levels:
 - a. a groundcover of greater than 50 per cent, and
 - b. the groundcover consists of greater than 75 per cent native groundcover.

If your total INS clearing area is less than 200 hectares then this condition does not apply.

If you are clearing more than 200 hectares by clearing types c), d) and/or e) then you will need to stage the clearing in at least two phases. Each phase cannot be more than 40 per cent of the INS extent.

You can clear the phase 2 area once the phase 1 area has reached and maintained 50 per cent groundcover (of which 75 per cent is native) for at least 12 months. Figure 6 below shows how the clearing might be staged in two 40 per cent phases.

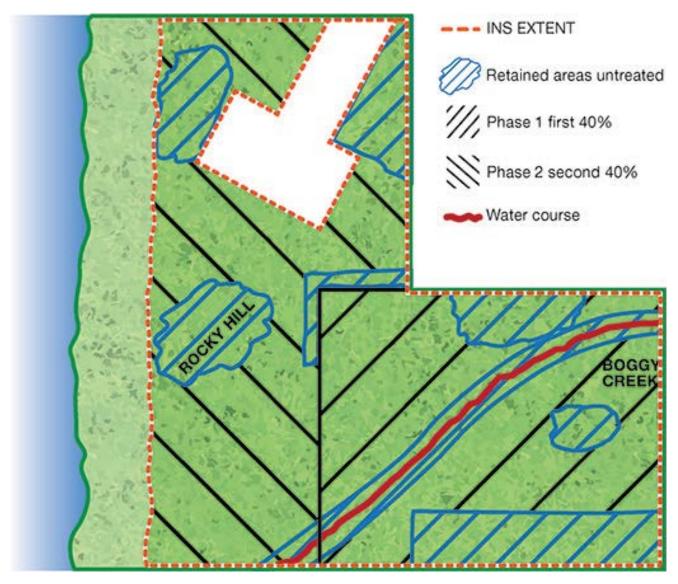


Figure 6: Staging of the clearing of INS in at least two phases

- 4.4 The initial 40 per cent cleared (referred to in condition 4.2 above) may be re-cleared using clearing type c) and/or d) and/or e) (as listed in Section 2.1 [of the order]) if:
 - a. all additional areas cleared have achieved the groundcover recovery levels as defined in condition 4.3 above, and
 - b. no more than 40 per cent of the INS extent is cleared at any one time.

Re-clearing of the land cleared in phase 1 is permitted so long as the phase 2 area has reached and maintained 50 per cent groundcover (of which 75 per cent is native) for at least 12 months. It should be noted that the vegetation that has regrown following clearing using the INS order is 'protected regrowth' and must be cleared in accordance with the conditions in the order.

To do the groundcover assessment it is recommended you use one of the two methods below to determine whether you have met these criteria. These methods are:

- 1. the step point method, and
- 2. the quadrat method.

These methods are described in the fact sheet Assessing Groundcover.

You should keep a record of your assessments and photos of the areas to demonstrate the required groundcover recovery had been achieved in the area prior to undertaking clearing in the second increment and re-clearing the first increment.

For assistance with measuring groundcover, contact your Local Land Services.

8. Conditions on the use of INS clearing types

Conditions applying to all clearing types

Clearing of INS under the INS self-assessable code by any method must comply with the following conditions:

- Clearing must not result in a change of land use from a grazing system to a cropping system.
- All native groundcover, retained individuals of the INS and all non-INS must be retained following clearing. Vegetation that has regrown following clearing under the order is 'protected regrowth' and cannot be cleared as 'regrowth'.
- Clearing must be for the purpose of re-establishing native vegetation or allowing natural regeneration of native vegetation in order to maintain or create a mosaic of native vegetation states across the landscape.
- Clearing of non-INS must be limited to the minimum extent necessary to clear the INS.
- Clearing is not permitted in areas where either the *Thinning of native vegetation* order or the Clearing of paddock trees in a cultivation area order have been used.

Conditions applying to specific clearing types

The Ministerial Order recognises that INS can occur across large areas and allows techniques relevant to larger scale treatments. The conditions applying to clearing types c), d) and e) attempt to balance broad scale activity with protection of soil, water and wildlife.

Some conditions apply to all clearing types, while others apply to specific clearing types. A summary of all conditions is provided at Appendix 2.

9. Definitions

In this guide terms have the same meaning as in the Native Vegetation Act 2003, Native Vegetation Regulation 2013 and the Invasive Native Species Ministerial Order unless otherwise defined below.

Annual non-native vegetation means a plant that is not native vegetation and which completes its life cycle, from germination to the production of seed, within one year, and then dies.

Density or densities means the number of plants per hectare.

Diameter at breast height over bark (DBHOB) means the diameter over the bark of the stem at 1.3 metres above the ground. If there are multiple stems on a tree then the diameter is measured on the largest stem.

INS extent means the extent of the areas on the landholding where:

- INS is currently present, or
- INS may not presently occur but where INS management is required to prevent their spread or recurrence.

Areas of non-native vegetation and areas of native vegetation not impacted by INS are not included in the INS extent on the landholding.

Invasive Native Scrub (INS) means plants that satisfy the following criteria:

- 1. The plants to be cleared are of a species listed in the INS database (refer to Appendix 1).
- 2. The plants to be cleared are regenerating densely or are invading plant communities, causing decline in the structure or composition of the vegetation community on the land to be cleared.

Refer to the fact sheet *Identifying invasive native species* for more information.

Land degradation risk is an indication of the level of risk of land degradation that could occur as a result of INS clearing. There are three risk levels: Low, Moderate and High. The risk level for the land to be cleared is determined in accordance with the land degradation risk assessment methodology. Refer to Appendix 3 for more information.

Landholding means:

- a) a parcel of land, or
- b) several parcels of land which:
 - i. are contiguous with one another or are separated from one another only by a road, river, creek or other watercourse, and
 - ii. constitute or are worked as a single property,

irrespective of whether those parcels are held under the same title or different titles or titles of different kinds.

Management burning is planned and controlled use of fire for the purpose of managing INS.

Minimal disturbance means there has been no greater than 30 per cent of the soil surface and existing groundcover disturbed (total area) as a result of the clearing.

No disturbance means there has been no greater than 5 per cent of the soil surface and existing groundcover disturbed (total area) as a result of the clearing.

Non-native vegetation means vegetation that is not native vegetation, as defined by section 6 of the Native Vegetation Act 2003.

Non-INS means any plants that are not INS, as defined above and in Section 1 of the Ministerial Order.

Paddock scale means the clearing of multiple trees or shrubs at one time, usually by methods including but not limited to chaining, roping, bladeploughing and stick raking.

Soil disturbance means the turning, digging or disrupting of the soil surface, usually by an implement or machinery or by the pushing or pulling of trees or shrubs.

Temporary disturbance means the application of a clearing method that causes significant soil disturbance, generally as a single pass, such as (but not limited to) bladeploughing or crocodiling.

Threatened ecological community means a threatened ecological community or threatened population within the meaning of the Threatened Species Conservation Act 1995 or a population listed in Schedule 1, 1A or 2 of that Act. Refer to the fact sheet, Identifying threatened ecological communities for more information.

Strahler stream order means the stream order of a stream determined by the Strahler system as defined in Schedule 2, Part 1 of the Water Management (General) Regulation 2011. Refer to the fact sheet Determining distances from water bodies for more information

Visible channel means a visible path where water flows, regardless of flow regime, which shows some degree of incision or erosion.

Watercourse means a stream of Strahler stream order 3 or larger with a visible channel. Refer to the fact sheet Determining distances from water bodies for more information.

Wetland means any type of shallow body of water, other than a floodplain (such as a marsh, billabong, swamp or sedgeland) that is:

- a) inundated cyclically, intermittently or permanently with water, and
- b) vegetated with wetland plant communities.

Refer to the fact sheet *Determining distances from water bodies* for more information.

Zero till means drilling of seed with minimal disturbance (less than 30 per cent) to topsoil and no application of herbicide.

Appendix 1 – Invasive native species database listing

Acacia aneura (mulga)	Central Tablelands	Central West	Greater Sydney	Murray Hunter	North Coast	North West	Northern Tablelands	Riverina	South East	Western	Maximum DBHOB allowed to be cleared	Retention requirements when clearing by clearing type b) clearing of individual plants with nil to minimal disturbance to soil and groundcover (Number of plants per hectare to be retained) 20 stems under 20 cm
Acacia deanei (Deane's wattle)¹	>	 	+			>	>				n/a	i =
Acacia homalophylla (yarran)	>	>				>				>	20 cm	20 stems under 20 cm DBHOB
Acacia mearnsii (black wattle)	>	>							>		n/a	nil
Acacia paradoxa (kangaroo thorn)	>	>									n/a	nil
Acacia salicina (cooba or native willow)	>	>				>					20 cm	nil
Acacia stenophylla (black wattle or river cooba)	>	>		>		>	>	>		>	20 cm	20 stems under 20 cm DBHOB
Bursaria spinosa (blackthorn)²						>						
Callitris endlicheri (black cypress)	>	` <u>`</u>	>			>	>			>	30 cm	20 stems under 30 cm DBHOB
Callitris glaucophylla (white cypress)	>	>		>		>	>	>		>	30 cm	20 stems under 30 cm DBHOB
Cassinia arcuata (sifton bush)	>	`	>			>	>	>			n/a	nil
Cassinia laevis (cough bush)	>	>				>	>	>			n/a	nil
Cassinia quinquefaria	>	>				>	>				n/a	nil
Casuarina cristata (belah)	<u> </u>	>				>				<u> </u>	20 cm	20 stems under 20 cm DBHOB
Dodonaea viscosa subsp. angustissima (narrow-leaf hopbush)	>	>				>	>	>		>	n/a	lin
Dodonaea viscosa subsp. mucronata	>	>				>					n/a	nil
	,	,	ŀ			`	Ì	\		\	-/-	-

Everyabilita bignoniiflora (eurah) / retained) Evernophila bignoniiflora (eurah) /	Invasive native species	Central Tablelands	Central West	Greater Sydney	Murray Hunter	North Coast	North West	Northern Tablelands	Riverina	South East	Vestern	DBHOB allowed to be cleared	requirements when clearing by clearing type b) clearing of individual plants with nil to minimal disturbance to soil and groundcover (Number of plants per hectare to be
od)	Eremophila bignoniiflora (eurah)	>	>				>				>	n/a	
od)	Eremophila bowmanii subsp. bowmanii (silver turkey bush)	>	>								>	n/a	lin
bush) bush) choisia) choisia) choisia) choisia) choisia) choisia) choisia) choisia choisia) choisia	Eremophila duttonii (harlequin fuchsia bush)		>								>	n/a	liu
chsia) chsia) chsia choine c	Eremophila gilesii (green turkey-bush)										>	n/a	nil
ichsia) se sandalwood) v v v v v v r r r r r r r r r r r r r	Eremophila longifolia (emu bush)	>	>				>	>	>		>	n/a	lin
se sandalwood) •	Eremophila maculata (spotted fuchsia)		>				>	>				n/a	nil
ed gum) I A A A A A A A A A A A A A A A A A A	Eremophila mitchellii (budda, false sandalwood)	>	>				>	>	>		>	n/a	nil
ad gum) 4	Eremophila sturtii (turpentine)		>				>		>		>	n/a	lin
(1) (bimble box, poplar box)	Eucalyptus camaldulensis (river red gum)	>	>		>		>		>			30 cm	20 stems under 30 cm DBHOB
() (i) (bimble box, poplar box) (i) (bimble box, poplar box) (ii) (bimble box, poplar box) (iii) (bimble box) (iii) (bi	Eucalyptus coolabah (coolibah)		>				>				>	20 cm	20 stems under 20 cm DBHOB
() (bimble box, poplar box)	Eucalyptus intertexta (red box)		>								>	30 cm	20 stems under 30 cm DBHOB
vii (bimble box, poplar box) v v 30 cm v v v v v v v v n/a v v v v v v n/a	Eucalyptus largiflorens (black box)		>		>		>				>	20 cm	20 stems under 20 cm DBHOB
V V V <td>Eucalyptus populnea subsp. bimbil (bimble box, poplar box)</td> <td></td> <td>></td> <td></td> <td></td> <td></td> <td>></td> <td></td> <td></td> <td></td> <td>></td> <td>30 cm</td> <td>20 stems under 30 cm DBHOB</td>	Eucalyptus populnea subsp. bimbil (bimble box, poplar box)		>				>				>	30 cm	20 stems under 30 cm DBHOB
n/a / / n/a / n/a	Geijera parviflora (wilga)		>				>				>	20 cm	20 stems under 20 cm DBHOB
p/u / /	Kunzea ericoides (burgan)			_						>		n/a	nil
	Kunzea parvifolia (violet kunzea)									>		n/a	lin

Invasive native species	Ce					No	No	Riv	So	We	Maximum	Retention
	entral Tablelands	entral West	reater Sydney	urray unter	orth Coast	orth West	orthern Tablelands	verina	uth East	estern	DBHOB allowed to be cleared	requirements when clearing by clearing type b) clearing of individual plants with nil to minimal disturbance to soil and groundcover
												(Number of plants per hectare to be retained)
Leptospermum brevipes (grey tea-tree, tea-tree)		>				>	>				n/a	liu
Maireana microphylla (eastern cotton bush)	>	>									n/a	liu
Duma florulenta (syns.: Muehlenbeckia cunninghamii and Muehlenbeckia florulenta (lignum))		>				>				>	n/a	lic
Nitraria billardierei (Dillon bush)		>		>							n/a	liu
Olearia elliptica subsp. elliptica (sticky daisy bush, peach bush)		>				>	>				n/a	liu
Sclerolaena birchii (galvanized burr)		>		>		>	>	>		>	n/a	lin
Sclerolaena muricata (black roly-poly) ³		>		>		>	>	>		>	n/a	liu
Senna artemisioides subsp. X artemisioides (silver cassia))	>	>				>		>		>	n/a	nil
Senna artemisioides subsp. filifolia (syn.: Senna form taxon 'filifolia' (punty bush))	>	`				>		>		>	n/a	lic lic
Vachellia farnesiana (mimosa)	>	>				>	>			>	n/a	nil

¹ Acacia deanei (Deane's wattle) includes both subsp. deanei and paucijuga.

² Bursaria spinosa (blackthorn) includes both subsp. spinosa and lasiophylla.

³ Sclerolaena muricata (black roly-poly) includes all subsp. muricata, semiglabra and villosa.

Appendix 2 – Summary of conditions for INS clearing types

Conditions applying to all clearing types

Section 5 of the Ministerial Order lists the following conditions as applicable to all clearing types:

- Clearing must not result in a change of land use from grazing to cropping.
- All native groundcover, retained individuals of the INS and all non-INS must be retained following clearing. Vegetation that has regrown following clearing under the order is 'protected regrowth' and cannot be cleared as 'regrowth'.
- Clearing must re-establish native vegetation or allow natural regeneration of native vegetation to maintain or create a mosaic of native vegetation across the landscape.
- Clearing of non-INS must be limited to the minimum extent necessary to clear the INS.

Conditions specific to clearing types

Sections 6–10 of the Ministerial Order list additional conditions as applicable to the use of each clearing type. These are outlined in the following table:

		C	learing t	type	
	Management burning	Clearing individual plants with nil to minimal disturbance to soil and groundcover	Clearing plants at paddock scale with nil to minimal disturbance to soil and groundcover	Clearing plants at paddock scale with temporary disturbance to soil and groundcover	Clearing plants at paddock scale with longer-term disturbance to soil and groundcover
Condition	a)	b)	c)	d)	e)
Clearing must not result in soil surface disturbance.	✓				
Clearing must not result in the intentional introduction into the cleared area of any non-native vegetation.	✓	✓			
Clearing must only be undertaken by clearing of individual INS plants, with minimal disturbance to soil and groundcover.		✓			
Plants of the species listed in Appendix 1 of the order as requiring retention (see last column) are to be retained at the densities specified in Appendix 1, except:					
 where more than one species of INS is present on the area to be cleared, the total stems required to be retained does not exceed 20 stems per hectare for stems under the maximum diameter at breast height over bark (DBHOB) allowed to be cleared 		✓			
 stems retained must reflect the proportion of total individuals for each species present 					
 where an individual tree or shrub retained in accordance has multiple stems, then that tree or shrub is counted as one stem for the purposes of calculating the retention requirements. 					

		C	learing 1	tvpe	
	Management burning	Clearing individual plants with nil to minimal disturbance to soil and groundcover	Clearing plants at paddock scale with nil to minimal disturbance to soil and groundcover	Clearing plants at paddock scale with temporary disturbance to soil and groundcover	Clearing plants at paddock scale with longer-term disturbance to soil and groundcover
Condition	a)	b)	c)	d)	e)
Non-INS with a stem or trunk greater than 20 centimetres DBHOB and INS with a stem or trunk greater than the 'maximum DBHOB allowed to be cleared' must not be cleared.		√			
There must be nil to minimal disturbance to soil and groundcover.		✓	✓		
The clearing of groundcover and disturbance to soil surface must be limited to the minimum extent necessary.		√	√	√	✓
Non-INS with a stem or trunk greater than 20 centimetres DBHOB and INS with a stem or trunk greater than the 'maximum DBHOB allowed to be cleared' must not be cleared except where the clearing is not intentional and does not exceed 20 stems per hectare.			√	✓	✓
Non-INS must comprise less than 10 per cent of the total number of individual trees and shrubs cleared.			√	√	✓
If more than 500 hectares are to be cleared, a minimum of 20 per cent of the native vegetation on that area must be retained on each 500 hectare area within or between cleared areas and must be part of the INS extent. The native vegetation retained for the purposes of this provision may be included in the calculation of the 20 per cent uncleared area of INS extent on the landholding.			√	√	√
The clearing must not result in the intentional introduction into the cleared area of any non-native vegetation except the sowing of non-persistent annual non-native vegetation by zero till.			✓		
The clearing must not result in the intentional introduction into the cleared area of any non-native vegetation except the sowing of non-persistent annual non-native vegetation as part of the clearing operation and is limited to three occasions in 15 years from the date of notification of the intention to use this Ministerial Order, and the non-native vegetation is not harvested.				✓	
The clearing must not result in the intentional introduction into the cleared area of any non-native vegetation except the preparation and sowing of non-persistent annual non-native vegetation limited to three occasions in 15 years from the date of first notification of the intention to use this Ministerial Order.					✓
Can be used within 30 metres of an estuary, wetland or incised watercourse	✓	✓			
Can be used within 100 metres of an estuary, wetland, or incised watercourse	✓	✓	✓		

Notes:

Clearing type a) management burning will unavoidably clear other plants and must only be used to the minimum extent necessary to manage INS. Burning cannot cause soil disturbance and fire trails. Breaks and other clearing must be completed in accordance with Routine Agricultural Management Activities (RAMAs) and other approvals. The introduction of non-native vegetation is not permitted.

For clearing type b) the clearing must only be undertaken by removing individual trees and woody shrubs with no disturbance to soil or groundcover within 30 metres of an estuary, wetland or incised watercourse.

Appendix 3 – How to assess land degradation risk

If you are planning to use paddock scale clearing types (clearing types c), d) and/or e)) when applying the INS self-assessable code, you will need to assess the land degradation risk. This is done by assessing the risk of water erosion, wind erosion and presence of shallow and rocky soils.

The overall risk category is determined by the highest risk level achieved out of the three individual hazards.

There are three land degradation risk categories: Low, Moderate and High.

Assessing water erosion hazard

Water erosion hazard is the susceptibility of land to soil erosion by moving water. Slope, evidence of existing gully erosion and whether the site is a high run on area are factors used to determine the land degradation risk category for water erosion, according to Table A3.1.

Gullies are where channels are formed by water concentrating and cutting a channel through the soil.

Table A3.1: Water erosion hazard criteria

Per cent slope	Land is a high run on area or there is evidence of existing erosion	Land degradation risk category
0–3%		Low risk
	Not a water run on area and no evidence of existing gully erosion	Low risk
>3-8%	Land receives a lot of water run off or there is evidence of existing gully erosion on the land	High risk
	Not a water run on area and no evidence of existing gully erosion	Moderate risk
>8-25%	Land receives a lot of water run off or there is evidence of existing gully erosion on the land	High risk
>25		High risk

Estimating slope

Slope can be expressed in a number of ways. One is a percentage which can also be converted to the amount of fall over a 100-metre distance. The table below shows the conversion of percent slope to fall over 100 metres. A visual assessment can be made using the amount of fall over 100-metres and converting back to a percentage.

Table A3.2: Conversion of percent slope to fall over 100 metres

Per cent slope	Amount of fall over a 100-metre distance
0%	Flat with no fall
1%	1 m
3%	3 m
8%	8 m
25%	25 m

A clinometer can be used for a more accurate measurement of slope. Clinometer apps are available for smart phones.

A dumpy level can also be used to accurately determine the fall over 100 metres or more (or less).

Slope may also be determined using a GPS or topographic map. To determine the slope using a topographic map you will need the rise (the difference in elevation between two points) and the run (the distance between two points calculated using the map scale). Slope can then be determined with the following calculation: rise/run \times 100 = % slope.

Assessing wind erosion hazard

Wind erosion hazard is the susceptibility of land to the erosion of soil particles by wind.

Wind erodibility of soil (amount of clay) and average annual rainfall are used to determine the land degradation risk category for wind erosion according to Table A3.3.

Table A3.3: Wind erosion hazard criteria

Average annual rainfall	Wind erodibility class of surface soil	LD risk category
>300 mm	Low erodibility: loams, clay loams, clays (clay >13%), and	Low risk
	Moderate erodibility: fine sandy loams, sandy loams (clay 6–13%)	
	High erodibility: loam sands, loose sands (clay <6%)	Moderate risk
0–300 mm	Low erodibility: loams, clay loams, clays (clay >13%)	Low risk
	Moderate erodibility: fine sandy loams, sandy loams (clay 6–13%)	Moderate risk
	High erodibility: loam sands, loose sands (clay <6%)	High risk

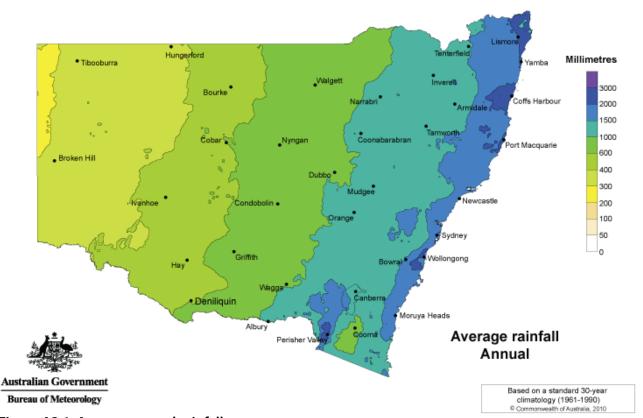


Figure A3.1: Average annual rainfall

The map above shows the average annual rainfall over the period 1961 to 1990.

Go to the Bureau of Meteorology (BOM) website at www.bom.gov.au for more detailed average rainfall information, or phone your regional BOM office.

Assessing soil texture

Soil texture refers to how coarse or fine the soil is; that is, how much sand, silt and clay it contains. Texture has a major influence on how much water a soil can hold; generally, the smaller and finer the soil particles (the more silt and clay), the more water a soil can hold, and the less susceptible it is to wind erosion with adequate rainfall.

Soil texture can be estimated by hand using the ribboning technique illustrated in Figure A3.2, noting that it takes practice to produce a consistent result.

Carry out this ribbon test on a sample of soil from the area to be cleared using the self-assessable code. If soil differs across the area to be cleared, assess each area separately.



1. Take a small handful of soil.



2. Add enough water to make a ball. If you can't make a ball, the soil is very sandy.



3. Feel the ball with your fingers to find out if it is gritty (sand), silky (silt) or plastic/sticky (clay).



4. Reroll the ball and with your thumb gently press it out over your forefinger to make a hanging ribbon.



5. If you can make a short ribbon, your soil texture is loamy, a mixture of sand and clay.



6. The longer the ribbon, the more clay is in your soil.

The ribbon test for soil texture Figure A3.2:

Do this several times for confirmation and compare the average ribbon length with those in Table A3.4. Each soil texture is classified within a ribbon length range (for example, sandy clay loam ribbon length is 25–40 mm long).

Once a consistent ribbon length is being produced, you can be reasonably confident that the correct soil texture has been identified.

Table A3.4: Soils textures using the ribboning technique

Broad group	Texture grade	Behaviour of the soil ball	Ribbon length (mm)
	Sand	Ball will not form	0
Sands	Loamy sand	Ball just holds together	5
	Clayey sand	Ball forms, sticky-clay stains fingers	5–15
Sandylaams	Sandy loam	Ball forms, feels sandy, but spongy	15–25
Sandy loams	Silty loam	Ball forms, feels smooth and silky	25
Looms	Loam	Ball forms, feels smooth and spongy	25
Loams	Sandy clay loam	Ball is firm, feels sandy and plastic	25–40
Clayloams	Silty clay loam	Ball is firm, smooth, silky, plastic	40–50
Clay loams	Clay loam	Ball firm, feels smooth and plastic	40–50
	Light clay	Ball very strong, feels plastic	50–75
Clays	Medium clay	Ball very strong, feels like plasticine	75+
	Heavy clay	Ball very strong, stiff plasticine	75+

Assessing shallow and rocky soil hazard

Shallow soils and rockiness increase the land degradation risk category.

Average soil depth and percentage exposure of rocky outcrops are used to determine the risk category for shallow and rocky soil hazard according to Table A3.5.

Table A3.5: Shallow and rocky soils hazard criteria

Soil depth (cm)	Rocky outcrop (per cent coverage)	LD risk category	
>50	0–30	Low risk	
	>30-50	Moderate risk	
	>50	High risk	
0–50cm	0–30	Moderate risk	
	>30	High risk	

Soil depth

Average soil depth is the depth from the soil surface to bedrock. If weathered rock is loose and friable it may be included within the soil depth. If you are unsure of the soil depth, look for an existing excavation (e.g. road batter), obtain a soil core sample or dig a hole.

Estimating rocky outcrop coverage

Rocky outcrops are rocks or stone that can be seen above the soil surface. Avoid using clearing types involving soil disturbance in areas with rocks or stones. The percentage of rocky outcrops can be estimated using a visual assessment, a step point method or mapping the rocky outcrops to determine the area of clearing and area of rocky outcrops. A percentage can then be calculated using the areas mapped.

Appendix 4 – How to measure stem diameter

Some clearing types include a maximum allowable diameter at breast height over bark (DBHOB) that is allowed to be cleared. The diameter is measured 1.3 metres from the ground. If there are multiple stems on a tree then the diameter is measured on the largest stem.

Figure A4.1 shows a simple way of measuring DBHOB. A special DBHOB measuring tape can be used for a more accurate measure.



Figure A4.1: Measuring diameter at breast height over bark (1.3 metres above ground)

Appendix 5 – Checklists

This section provides checklists for each clearing type.

Use the checklists to ensure you consider all of the relevant factors when using the INS selfassessable code.

It is recommended you keep the completed check list on file with any other records relevant to the assessment. It is also very useful to keep photos of the clearing area from before and after the clearing.

Checklist for clearing type a) Management burning

INS extent
The area contains at least one INS species listed in my LLS Region (refer to Appendix 1).
The INS species are acting invasively (refer to Section 4).
I have calculated the INS extent on my landholding (refer to Section 7).
How much can be cleared?
No more than 80 per cent of the INS will be burned and a minimum of 20 per cent will be retained. Containment measures will be in place so that at least 20 per cent of the INS is not burned.
General conditions
Clearing will not result in a change of land use from grazing to cropping.
All native groundcover, retained individuals of the INS and all non-INS will be retained following clearing.
Clearing will re-establish native vegetation or allow natural regeneration of native vegetation to maintain or create a mosaic of native vegetation across the landscape.
Clearing of non-INS will be limited to the minimum extent necessary to clear the INS.
The Thinning or Paddock Tree Ministerial Orders have not been used in the area to be cleared.
Additional conditions
Burning will not result in soil surface disturbance (excludes construction of fire breaks).
Non-native vegetation will not be intentionally introduced into the cleared area.
Other considerations and approvals
I have all the other approvals I need and have contacted the RFS to discuss my management burn (refer to the fact sheet <i>How to obtain other approvals</i>).
Notification
I have notified 14 days before I want to clear (refer to the fact sheet <i>The notification process</i>).

Checklist for clearing type b) Clearing individual plants with nil to minimal disturbance to soil and groundcover

INS extent	
The area contains at least one INS species listed in my LLS Region (refer to Appendix 1).	Τ
The INS species are acting invasively (refer to Section 4).	T
I have calculated the INS extent on my landholding (refer to Section 7).	I
How much can be cleared?	
No more than 80 per cent of the INS extent will be treated and 20 per cent will be retained untreated.	Τ
General conditions	
Clearing will not result in a change of land use from grazing to cropping.	Τ
All native groundcover, retained individuals of the INS and all non-INS will be retained following clearing.	
Clearing will re-establish native vegetation or allow natural regeneration of native vegetation to maintain or create a mosaic of native vegetation across the landscape.	T
Clearing of non-INS will be limited to the minimum extent necessary to clear the INS.	T
The Thinning or Paddock Tree Ministerial Orders have not been used in the area to be cleared.	Ť
Additional conditions	
Clearing will only be undertaken by clearing of individual INS plants with minimal disturbance to soil and groundcover (<30 per cent of total area).	T
Plants of the INS species requiring retention will be retained at the densities specified in Appendix 1. Where more than one INS species is present in the area to be cleared, up to 20 stems per hectare will be retained and these will be in the same proportion as currently exists.	T
Individual plants of INS with a DBHOB greater than the 'maximum DBHOB allowed to be cleared' as listed in Appendix 1 will be retained (refer to Appendix 4 for measuring DBHOB).	T
Any clearing within 30 metres of a water body will be undertaken by removing individual trees and woody shrubs with no disturbance to soil and groundcover (refer to the fact sheet <i>Determining distances from water bodies</i>).	
Non-native vegetation will not be intentionally introduced.	
Other considerations and approvals	
I have all the other approvals I need (refer to the fact sheet <i>How to obtain other approvals</i>).	T
have read the label(s) of herbicides and heeded all necessary advice when using this control method.	I
Notification	
I have notified 14 days before I want to clear (refer to the fact sheet <i>The notification process</i>).	T

Checklist for clearing type c) Paddock scale with nil to moderate disturbance of soil and groundcover

INS extent	
The area contains at least one INS species listed in my LLS Region (refer to Appendix 1).	
The INS species are acting invasively (refer to Section 4).	
I have calculated the INS extent on my landholding (refer to Section 7).	
Do the site characteristics allow for this clearing type?	
Non-INS trees and shrubs are <50 per cent of the total number of species (refer to Section 6).	
The vegetation is NOT a threatened ecological community (refer to the fact sheet <i>Identifying threatened ecological communities</i>).	
The vegetation does NOT include lignum or belah (refer to the fact sheet <i>Identifying invasive native species</i>).	
The area to be cleared has a low or moderate risk of land degradation (refer to Appendix 3).	
The area to be cleared is further than 30 metres from a water body (refer to the fact sheet <i>Determining distances from water bodies</i>).	
How much can be cleared?	
No more than 80 per cent of the INS extent will be treated and 20 per cent will be retained untreated.	
Only 40 per cent will be treated at a time (unless the area being treated is <200 hectares in which case up to 80 per cent of the INS extent can be treated in a single operation). Groundcover recovery levels are to be reached and maintained for 12 months prior to clearing the next 40 per cent increment (refer to Section 7 and the fact sheet Assessing groundcover).	
General conditions	
Clearing will not result in a change of land use from grazing to cropping.	
All native groundcover, retained individuals of the INS and all non-INS will be retained following clearing.	
Clearing will re-establish native vegetation or allow natural regeneration of native vegetation to maintain o create a mosaic of native vegetation across the landscape.	
Clearing of non-INS will be limited to the minimum extent necessary to clear the INS.	
The Thinning or Paddock Tree Ministerial Orders have not been used in the area to be cleared.	
Additional conditions	
Clearing will cause no more than minimal disturbance to groundcover and soil (<30 per cent of total area).	
Incidental clearing of non-INS species will be limited to <10 per cent of total number of trees and shrubs cleared.	
Non-INS species with a stem or trunk >20 centimetres DBHOB will be retained (refer to Appendix 4 for measuring DBHOB).	
Introduction of non-native vegetation will only involve the sowing of non-persistent annual vegetation by zero ti	
If clearing >500 hectares, then 100 hectares will be retained in each 500 hectare block.	
Other approvals	
I have all the other approvals I need (refer to the fact sheet <i>How to obtain other approvals</i>).	
Notification	
I have notified 14 days before I want to clear (refer to the fact sheet <i>The notification process</i>).	

Checklist for clearing type d) *Paddock scale with temporary disturbance of soil and groundcover*

INS extent	
The area contains at least one INS species listed in my LLS Region (refer to Appendix 1).	1
The INS species are acting invasively (refer to Section 4).	
I have calculated the INS extent on my landholding (refer to Section 7).	
Do the site characteristics allow for this clearing type?	1
Non-INS trees and shrubs are <50 per cent of the total number of species (refer to Section 6).	
The vegetation is NOT a threatened ecological community (refer to the fact sheet <i>Identifying threatened ecological communities</i>).	
The vegetation does NOT include lignum or belah (refer to the fact sheet <i>Identifying invasive native species</i>).	
The area to be cleared has a low or moderate risk of land degradation (refer to Appendix 3).	
The area to be cleared is further than 100 metres from a water body (refer to the fact sheet <i>Determining distances from water bodies</i>).	
How much can be cleared?	
No more than 80 per cent of the INS extent will be treated and 20 per cent will be retained untreated.	
Only 40 per cent will be treated at a time (unless the area being treated is <200 hectares in which case up to 80 per cent of the INS extent can be treated in a single operation). Groundcover recovery levels are to be reached and maintained for 12 months prior to clearing the next 40 per cent increment (refer to Section 7 and the fact sheet <i>Assessing groundcover</i>).	
General conditions	
Clearing will not result in a change of land use from grazing to cropping.	
All native groundcover, retained individuals of the INS and all non-INS will be retained following clearing.	
Clearing will re-establish native vegetation or allow natural regeneration of native vegetation to maintain or create a mosaic of native vegetation across the landscape.	
Clearing of non-INS will be limited to the minimum extent necessary to clear the INS.	
The Thinning or Paddock Tree Ministerial Orders have not been used in the area to be cleared.	
Additional conditions	
Clearing will cause no more than temporary disturbance to groundcover and soil.	
Incidental clearing of non-INS species will be limited to <10 per cent of total number of trees and shrubs cleared.	
Incidental clearing of non-INS species with a stem or trunk >20 centimetres DBHOB will not exceed 20 stems per hectare and other stems will be retained (refer to Appendix 4 for measuring DBHOB).	
Introduction of non-native vegetation will only involve the sowing of non-persistent annual vegetation as part of the clearing operation and will be limited to 3 times in 15 years from the date of notification.	
If clearing >500 hectares, then 100 hectares will be retained in each 500 hectare block.	
Other approvals	
I have all the other approvals I need (refer to the fact sheet <i>How to obtain other approvals</i>).	
Notification	
I have notified 14 days before I want to clear (refer to the fact sheet <i>The notification process</i>).	
·	

Checklist for clearing type e) Paddock scale with longer-term disturbance of soil and groundcover

NS extent	
The area contains at least one INS species listed in my LLS Region (refer to Appendix 1).	
The INS species are acting invasively (refer to Section 4).	
have calculated the INS extent on my landholding (refer to Section 7).	
Oo the site characteristics allow for this clearing type?	
Non-INS trees and shrubs are <50 per cent of the total number of species (refer to Section 6).	
The vegetation is NOT a threatened ecological community (refer to the fact sheet <i>Identifying threatened ecological communities</i>).	
The vegetation does NOT include lignum or belah (refer to the fact sheet <i>Identifying invasive native species</i>).	
he area to be cleared has a low risk of land degradation (refer to Appendix 3).	
The area to be cleared is further than 100 metres from a water body (refer to the fact sheet <i>Determining listances from water bodies</i>).	
How much can be cleared?	
No more than 80 per cent of the INS extent will be treated and 20 per cent will be retained untreated.	
Only 40 per cent will be treated at a time (unless the area being treated is <200 hectares in which case up to 80 per cent of the INS extent can be treated in a single operation). Groundcover recovery levels are to be eached and maintained for 12 months prior to clearing the next 40 per cent increment (refer to Section 7 and the fact sheet Assessing groundcover).	
General conditions	
Clearing will not result in a change of land use from grazing to cropping except for short-term cropping.	
All native groundcover, retained individuals of the INS and all non-INS will be retained following clearing.	
Clearing will re-establish native vegetation or allow natural regeneration of native vegetation to maintain o create a mosaic of native vegetation across the landscape.	
Clearing of non-INS will be limited to the minimum extent necessary to clear the INS.	
he Thinning or Paddock Tree Ministerial Orders have not been used in the area to be cleared.	
Additional conditions	
ncidental clearing of non-INS species will be limited to <10 per cent of total number of trees and shrubs cleared.	
ncidental clearing of non-INS species with a stem or trunk >20 centimetres DBHOB will not exceed 20 stem per hectare and other stems will be retained (refer to Appendix 4 for measuring DBHOB).	
ntroduction of non-native vegetation will only involve the sowing of non-persistent annual vegetation and vill be limited to 3 times in 15 years from the date of notification.	
f clearing >500 hectares, then 100 hectares will be retained in each 500 hectare block.	
Other approvals	
have all the other approvals I need. If in the Western Division, have you contacted the Western Lands Commission regarding a cultivation permit? (refer to the fact sheet <i>Other approvals</i>).	
Notification	

