9.3.13 Intensive food production code

9.3.13.1 Application

1. This code applies to assessing a material change of use if:
2. assessable development where this code is an applicable code identified in the assessment benchmarks column of a table of assessment for a material change of use (section 5.5) or neighbourhood plan (section 5.9); or
3. impact assessable development, for intensive horticulture or aquaculture or a use of a similar nature where not in the Conservation zone, Emerging community zone, Environmental management zone, Industry investigation zone, Open space zone or Rural zone.

Note—The following purpose, overall outcomes, performance outcomes and acceptable outcomes comprise the assessment benchmarks of this code.

Editor’s note—Development must be in accordance with the Building Code of Australia, the relevant Australian Standards and approved by a building certifier. Matters specific to intensive horticulture or aquaculture in rooftop locations could include ensuring the roof structure is able to support the weight of all rooftop farming infrastructure, including soil or other growing mediums and water, and operations, including machinery, and provide for adequate access, fire safety and fall prevention.

Editor’s note—The keeping of livestock/poultry must be in accordance with all local and Queensland Government laws including, but not limited to, Council’s Animals Local Law 2003 (Consolidated Version 2009) (the stocking rates prescribed in the local law apply to all components of the rooftop farm), and the *Apiaries Act 1982*, *Fisheries Act 1994* and *Environmental Protection Regulation 2008*.

1. When using this code, reference should be made to section 1.5 and section 5.3.3.

9.3.13.2 Purpose

1. The purpose of the Intensive food production code is to assess the suitability of development to which this code applies.
2. The purpose of the code will be achieved through the following overall outcomes:
3. Development for any on-site compost storage or food processing does not result in vermin infestations or adverse impacts to human health.
4. Development involving any livestock does not create excessive health or safety risks, odour, noise or water pollution.
5. Development of rooftop farm layout and activities does not detract from the visual amenity of the surrounding area.
6. Development for a rooftop farm operation does not create water pollution.

9.3.13.3 Performance outcomes and acceptable outcomes

Table 9.3.13.3—Performance outcomes and acceptable outcomes

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| Performance outcomes | Acceptable outcomes |
| PO1  Development ensures that composting operations do not create adverse environmental impacts, rodent plagues or insect infestations or harm to human health.  Note—Composts that are manufactured off site may be used provided that storage is limited to prevent excessive odour. | AO1.1  Development ensures that all composting activities are carried out using organic waste materials generated on site only. |
| AO1.2  Development ensures that composting methods used are in accordance with the Australian Certified Organic Standards developed by the Biological Farmers of Australia Ltd. |
| **AO1.3**  Composts that are manufactured off site may be used provided that storage is limited to prevent excessive odour. |
| PO2  Development ensures that bees do not pose a health or safety risk to residents or other users of the centre. | AO2.1  Development ensures that beehive numbers are no greater than 4 beehives per 1,000m2 site area. |
| AO2.2  Development ensures that beehives are located a minimum of 10m from any lot boundary.  Editor’s note—Beekeepers must register with the Queensland Government in accordance with the *Apiaries Act 1982*. |
| PO3  Development ensures that aquaculture activities do not create adverse environmental impacts, such as odour, for residents. | AO3  Development ensures that aquaculture activities are not located on the rooftop of a building that contains a residential component.  Editor’s note—Aquaculture activities must be carried out in accordance with the *Fisheries Act 1994* and other relevant Queensland Government laws. |
| PO4  Development ensures that pesticide and herbicide use is managed to minimise impacts on environmental and human health. | AO4  Development ensures that pest, disease and weed management is carried out in accordance with the Australian Certified Organic Standards developed by the Biological Farmers of Australia Ltd. |
| PO5  Development that contains a rooftop farm ensures layout and activities do not detract from the visual amenity of the surrounding area and mitigates potentially poor visual amenity outcomes.  Note—The preparation of a visual assessment can assist in demonstrating achievement of this performance outcome. | AO5  Development that contains rooftop farm activities is screened from any surrounding residential view using devices such as trellises, arbours or hedges. |
| PO6  Development ensures that a rooftop farm operation maximises stormwater harvest and re-use and minimises water needed from a potable or trucked-in source. | AO6  Development ensures that a rooftop farm operation minimises water needs and includes techniques such as stormwater harvest and storage, irrigation efficiency, soil management, hydro-zoning and species selection.  Note—The preparation of a water efficiency management plan can assist in demonstrating compliance with this acceptable outcome. |
| PO7  Development ensures that food processing does not create adverse environmental impacts such as excessive noise, odour or water pollution. | AO7  Development ensures that food processing or other value adding activities:   1. are limited to: 2. washing, refrigeration and freezing of produce; 3. bottling of honey; 4. filleting, scaling and gutting of aquatic animals; 5. do not include any cooking, distilling or fermenting. |