

INCA BioShield™ plant guide

Scandinavia / Northern Europe

INCA BioShield™ is a concept for biologically enhanced protection zones that combines carefully selected, low-growing, climate-adapted vegetation with INCA WFS net®.

INCA BioShield™ does not rely on a single plant species. Each installation is designed with vegetation selected for local climate, rainfall, temperature, soil conditions, environmental regulations and ecological requirements.

INCA BioShield™ manages the vegetation. INCA WFS net® protects against the fire.

Species in this guide

White stonecrop	<i>Sedum album</i>
Biting stonecrop	<i>Sedum acre</i>
Thrift	<i>Armeria maritima</i>
Grey hair-grass	<i>Corynephorus canescens</i>
Yarrow	<i>Achillea millefolium</i>

No vegetation should be considered fireproof.

Plant selection should always be made together with local experts, to ensure ecological compatibility, avoid invasive species and protect biodiversity.

Plant performance always depends on species selection, climate, maintenance, drought conditions and local environmental factors.



White stonecrop

Sedum album · Mat-forming succulent

Status	Native in Sweden, Norway, Finland and Denmark
Height	Up to 10 cm
Conditions	Full sun; well-drained chalk, loam or sand



Biting stonecrop

Sedum acre · Mat-forming succulent

Status	Native in Sweden, Norway, Finland and Denmark
Height	Up to 10 cm
Conditions	Full sun; well-drained chalk, loam or sand



Thrift

Armeria maritima · Cushion-forming perennial

Status	Native in Sweden, Norway, Finland and Denmark
Height	About 20 cm
Conditions	Full sun; well-drained chalk, clay, loam or sand



Grey hair-grass

Corynephorus canescens · Fine tufted grass

Status	Native in Sweden, Norway and Denmark
Height	10–50 cm
Conditions	Full sun; well-drained, acid sand



Yarrow

Achillea millefolium · Spreading perennial

Tolerates mowing

Status	Native in Sweden, Norway, Finland and Denmark
Height	50–100 cm in flower
Conditions	Full sun; moist but well-drained or well-drained soil

Sources

Status	Plants of the World Online, Royal Botanic Gardens, Kew Artsdatabanken, Norway
Height and conditions	Royal Horticultural Society
Mowing	NC State Extension Pornaro et al, Urban Forestry & Urban Greening, 2023