SRA9Φ

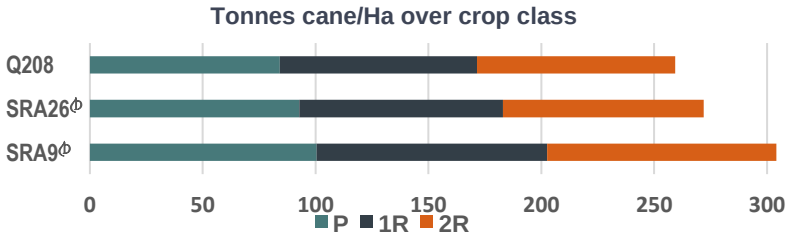
(QC97-2432, QN81-289 x Q166)

Sugar Research Australia

NORTHERN COASTAL and TABLELAND variety summary factsheet – more information, including detailed herbicide toxicity data, can be found in your latest regional Variety Guide and on the Sugar Research Australia website.

VARIETY ATTRIBUTES

SRA9Φ is a Central region variety that has demonstrated exceptional results in SRA field trials conducted in the Far North, outperforming Q208 by 13% in terms of sugar yield. The yield advantage provided by SRA9Φ has been consistent across crop classes. Despite having a lower sugar content than some other recently released varieties, SRA9Φ is a profitable choice due to its vigorous growth and high tonnage at harvest. Additionally, SRA9Φ is a good choice for growers dealing with higher Pachymetra spore counts, though where smut pressure is high, growers should seek more resistant alternatives.



VARIETY	RELATIVE TO Q208	
	CCS	TSH
Q208	0.0	0.0
SRA26Φ	0.6	1.2
SRA9Φ	-0.3	2.1

Productivity data presented is from 22 x Plant, 19 x 1R and 16 x 2R harvest results from Northern FATs planted in 2017, 2019, 2020, 2021, 2022 and 2023.

VARIETY	DISEASE RATINGS						APPEARANCE AT HARVEST		
	Smut	Pachymetra	Leaf scald	Orange rust	Brown rust	Yellow spot	Arrow	Lodging	Suckering
Q208	I-R	I	R	R	R	R	Mod-heavy	Average	Light-mod
SRA26Φ	R	R	R	R	P*	R	V. sparse	Av-Good	Light
SRA9Φ	I	R	R	R	P*	I-R	Sparse	Av-Good	Light

RESISTANT (R) RESISTANT-INTERMEDIATE (I-R) INTERMEDIATE (I) INTERMEDIATE-SUSCEPTIBLE (I-S) SUSCEPTIBLE (S) * PROVISIONAL RATING (P)

AGRONOMIC FEATURES

SRA9Φ's vigour has been consistently demonstrated across numerous trial locations in the Northern coastal region, and it stands erect even in high-yielding crops providing good harvester presentation. SRA9Φ is a sparse arrowing variety, is moderate trashing and does not sucker easily. Compared to Q208, SRA9Φ is a rapid and reliable germinator. At maturity, it develops tall stalks with moderate to high numbers and an average diameter. While it possesses a more upright canopy than SRA26Φ, it still outcompetes Q208 in terms of weed suppression. Moreover, SRA9Φ retains a clean green canopy year-round except in years with high yellow spot pressure.

Smut incidence in SRA9Φ from natural field infection indicate that it is more resistant to the disease compared to Q200 but exhibits similar levels of resistance to Q208. However, smut can still occur in SRA9Φ if the crop is stressed or exposed to high smut pressure from neighbouring crops. It grows steadily throughout autumn and winter making it best harvested mid or late in the season. Maturity testing should be a priority if considering the use of growth regulators. For Northern coastal growers facing high Pachymetra risk, SRA9Φ is a profitable variety to consider.

SRA9Φ is protected by Plant Breeders Rights (PBR) as denoted by the Φ symbol. SRA9Φ growers are subject to the terms of the SRA License Agreement which can be viewed on the Sugar Research Australia website. This license is currently royalty free.

Disclaimer Copyright © 2024 All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior permission of SRA. In this disclaimer a reference to "we", "us" or "our" means Sugar Research Australia Limited and our directors, officers, agents and employees. Although we do our best to present information that is correct and accurate, we make no warranties, guarantees or representations about the suitability, reliability, currency or accuracy of the information we present in this report for any purposes. Subject to any terms implied by law and which cannot be excluded, we accept no responsibility for any loss, damage, cost or expense incurred by you as a result of the use of, or reliance on, any materials and information appearing in this report. You, the user, accept sole responsibility and risk associated with the use and results of the information appearing in this report and you agree that we will not be liable for any loss or damage whatsoever (including through negligence) arising out of, or in connection with the use of this report. We recommend that you contact our staff before acting on any information provided in this report. Our tests, inspections and recommendations should not be relied on without further, independent inquiries. They may not be accurate, complete or applicable for your particular needs for many reasons, including (for example) SRA being unaware of other matters relevant to individual crops, the analysis of unrepresentative samples or the influence of environmental, managerial or other factors on production.

For more information on *variety field trials* contact: **Northern Variety Officer, Simon Cristaudo, E SCristaudo@sugarresearch.com.au, M 0477 643 601**

sugarresearch.com.au