

Y-1 Tobacco

Y-1 tobacco has been, or is currently being evaluated in four BATCo. projects.

- (a) The first use of Y-1 tobacco was in Project HINIC in 1987. Two grades of Y-1, BT1 and BT2, were included in blends at 10% level.

Other high nicotine blends were also made up to give similar smoke delivery profiles. The Y-1 cigarettes were perceived stronger (rather too strong in terms of impact) than non Y-1 cigarettes. The use of Y-1 was discontinued primarily because it was not deemed a commercial option in 1987. Also the impact attained in the test cigarettes was too strong for what was required.

- (b) Y-1 tobacco was used in expanded form in the early days of GREENDOT. Two blends were made up and cigarettes made to a target delivery of 4-5 mg PMWNF.

These cigarettes were perceived as smooth, but with low taste and metallic aftertaste (probably due to the MgCl used as a tobacco burn additive). The GREENDOT work was continued using commercially available grades (BAT (UK&E)). It was found we could achieve the tar/nicotine deliveries required even at the ultra low tar level.

- (c) As part of the current GREENDOT (NATO) project within the BTC, two blends, containing 15% and 40% Y-1 tobacco are being made up for evaluation as part of the 1mg GREENDOT development. This work will be completed by the second quarter of 1991.

- (d) Project BAIZE which is the USB style FELT project also includes one blend option containing 15% Y-1 tobacco. The objective of Project BAIZE is to develop a 7 mg US blended product via readily commercialisable materials which matches the smoke sensory quality of 12 mg USB products e.g. Marlboro - Middle East, Marlboro Lights - USA.

Y-1 Summary

As can be seen, work has been and is being carried out in Southampton to evaluate the use of Y-1 tobacco where possible. In our work so far we have not found a definite, well evaluated, use for Y-1. We are able to achieve our project objectives effectively using commercially available flue-cured and Burley grades. Nicotine, Y-1's greatest asset, is more than adequately provided for by selection from currently held leaf stocks within BATCo.

The topic of Y-1 tobacco usage will be raised at the forthcoming Product Development Specialist Meeting in Louisville at the end of September. BATCo. will seek information on:

Brown and Williamson use and experiences with Y-1, and advice on

- its future commercial availability,
- its consistency and chemical composition in future crops,
- its projected cost if used commercially.

ALH/SC  
3.9.90

*So far we can make or produce - safe in? - suggest*

*have samples*

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