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## Background \& Objectives



## Background

The Mushroom Blended Burger is a revolutionary concept poised to be adopted by the restaurant world. The Mushroom Council of America is looking for clear direction and insights to build and position a winning proposition.

To meet these objectives, the initiative was divided in two phases:

1. A series of focus groups* to:

- Capture feedback that was meant to ensure an appealing and relevant consumer driven narrative
- Get consumers' reaction to tasting the Blended Burger

2. A sensory test to:

- Get consumers' opinion on important attributes such as taste, mouth feel, texture, etc.
- Understand how these attributes compare, when placed side-by-side to competing products
- Measure the level of appeal and relevance of the positioning statement


## Objectives

The sensory test was designed as a concept product fit test to expose consumers to the idea of a Blended Burger. The burger patties tested included:

- The Blend
- An all beef burger
- A plant-based burger


## Business objectives:

- To demonstrate, to confirm, and to show, that consumers prefer The Blend over classic and new/trending burger options, and that Mushrooms Make Proteins Better.
- To confirm the blend recipe/standard of identity that is most enjoyed by consumers


## Research objectives:

- To get consumers' feedback on attributes such as taste, mouth feel, texture, etc.
- And to understand how these attributes compare when placed side-by-side with comparable products
- Measure the level of appeal and relevance of the positioning statement


## Methodology

## Methodology

- Sample:
- $\mathrm{n}=300$
- $\mathrm{n}=100$ in each test group
- LOI: 25 minutes
- Location: 1 facility (Las Vegas)
- Sample Qualifications:
- Must not be opposed to mushrooms
- Must have eaten burgers/cheeseburgers in the past 30 days
- Must have visited a QSR in the past 30 days
- Must be trying to reduce meat intake and/or trying to add more vegetables to their diet
- No food allergies/avoidances
- No sensitive industries


## Design:

- Sensory test with 3 rotations (blind, randomized)
- Each person rates all three burgers: The Blend, a beef burger and the plant-based
- Each burger receives 300 ratings and 100 first position ratings
- Each person assigned a product rotation once they qualify for the study
- Survey questions are answered as the sensory test occurs, with questions repeating for second and third rotation



## Methodology

Prior to the first day of fielding, Chef Andrew
Hunter traveled to Las Vegas to train the team members on how to cook the patties in a consistent, efficient and safe way.

Throughout the duration of the test, recruited respondents were given the option to build the 3 burgers in an identical fashion as they normally would.

Respondents entered the testing room in pairs. Each respondent was served half of each of the 3 burgers.

A rotation system was established prior to the test to ensure all three samples were seen and assessed the same amount of times by the same number of people.

## Methodology



The plant-based burger

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## Executive Summary

## Executive Summary

With the exception of a few attributes, the blended burger outperforms beef burgers and the plant-based burger.

Its poor visual appeal is saved by the reveal of its unique ingredients, generating solid interest and purchase intent.



## JAR Score Explanation

## Just About Right (JAR) Scores

## Just About Right (JAR)

- Measures consumer perceptions on individual product sensory attributes
- Each attribute can be considered as fairly optimal (JAR), too high or too low
- For example, saltiness could be just about right, too salty or not salty enough.

| Not Salty Enough | Just About Right | Too Salty |
| :---: | :---: | :---: |
| $8 \%$ | $73 \%$ | $17 \%$ |

- For each attribute, having $>80 \%$ of consumers find it Just About Right is ideal
- An attribute that is rated JAR by at least 70\% of consumers is acceptable, below that signals an opportunity for improvement

Too High or Too Low

- If over $20 \%$ of consumers find an attribute too high or too low, it is an area for improvement, if between 15-20\% of consumers view it as such, it is a potential area for improvement


## Using JAR Scores to calculate penalty analyses

## Penalty analyses show how attribute perceptions impact purchase intent

- The mean scores for liking among consumers who rated an attribute JAR, and those who found it too high or too low are calculated, followed by the difference scores (JAR-Too High; JAR-Too Low)
- The liking difference scores and the proportion of consumers that found an attribute too high or too low are used to calculate penalty scores
- Penalty scores are then charted to help visualize which attributes require adjustment and which are less critical




## The First Look

 (pre-sensory)
## The Blend wins over the beef burger and the plant-based burger on initial impression

## HOW WOULD YOU RATE THE OVERALL APPEARANCE OF THIS <br> BURGER?



## Based on appearance, consumers are more likely to purchase The Blend over the beef burger and the plantbased burger

## HOW LIKELY WOULD YOU BE TO PURCHASE THIS BURGER BASED ON APPEARANCE ONLY?



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## Post Tasting Diagnostics

## First position diagnostics indicate that consumers like the taste of The Blend more than the taste of the other two burgers

HOW MUCH DO YOU LIKE OR DISLIKE THE WAY THIS BURGER TASTES?


## The Blend scores high marks for eating experience



## Based on taste, close to two-thirds of consumers would buy The Blend, while roughly half indicate they would buy the others

HOW LIKELY WOULD YOU BE TO PURCHASE THIS BURGER BASED
ON TASTE?


Among first-tasters of each burger.

## When it comes to quality, The Blend is rated slightly higher than the beef burger

HOW WOULD YOU RATE THE QUALITY OF THIS BURGER?



## JAR Analyses

## A penalty analysis suggests that The Blend is too weak in flavor and too dry for some consumers, which drives them away from liking the burger more



## The Blend is juicier than the beef burger



## All three burgers perform well on tenderness

## TENDERNESS



A PLANT-BASED BURGER


# The Blend is perceived to have the right texture, outperforming the beef burger and significantly better than the plant-based burger 



## Among first-tasters of each burger.

Arrows indicate direction of statistically significant difference between overall ratings. Q9. Please rate the burger you just tasted on the following characteristics. Please select the spot that comes closest to how you feel about it. [Texture]

## Although all burgers score similarly on saltiness, The Blend has a slight advantage over its competitors



## The consistency of The Blend makes it slightly easier to swallow than the beef burger



## All three burgers offer similar mouthfeel



## The Blend ranks high on flavor strength



## The Blend is the most savory and shows the lowest number of consumers thinking it is too bland




## Other Thoughts

## Liking of The Blend is mostly driven by its good flavor

 as specific as possible. [Categorization based on which burger was tasted; among first rotation.]

## The Blend and the beef burger are seen as equally mainstream, while the plant-based burger emerges as different

HOW UNIQUE AND DIFFERENT IS THIS BURGER?


## Among the top rated circumstances when consumers would eat or serve The Blend are: a drive thru, cookouts, lunch or late night

UNDER WHAT CIRCUMSTANCES WOULD YOU EAT OR SERVE THIS BURGER?


Consumers would expect to find The Blend at various fast food restaurants, supermarkets and grocery stores, and at home or BBQ/cookouts

```
Another BBQ no where At a fast food
    I hope I don't find it anywhere
        can At Whole Foods.
        Wendy's =Almomass
At any burger place. Like Burger King or stean am omane.
            smith McDonald'Sfast.food
            late night at a bbq
A fast food place SUPERMANRMEI
        I would expect to find a burger like this at a cookout.
    \bigcapO\er BBQ or a casual restaurant frobly fast food prost fOOC
    at home or at food truck health food store not some where I eat
```


## Overall, consumers like The Blend the best, followed by the beef burger and the plant-based burger

## OUT OF THE THREE BURGERS YOU TRIED TODAY, WHICH

 ONE DO YOU LIKE BEST?

## Upon reveal, purchase intent increased with about twothirds of consumers saying they are likely to purchase The Blend

## NOW THAT YOU KNOW MORE ABOUT THE BLEND BURGER, HOW likely are you to purchase it?



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## The Blend scores the highest on purchase intent presensory test, its numbers keep increasing as consumers learn more about The Blend



## Based on feedback from the Focus Groups and some creative leaps, the following positioning statement was developed and presented to consumers as part of the survey

## The Blend

For those days when you've got a craving for one of your favorites, we crafted a gloriously mouthwatering burger.

Introducing The Blend, a delicious burger made of just three high quality ingredients: $100 \%$ pure beef, chopped fresh mushrooms and savory seasonings that are cooked right-in. Steakhouse flavor in your favorite burger.

The Blend has $25 \%$ less fat without sacrificing flavor. Now, you can finally treat yourself and treat yourself well.

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## There seem to be a good fit between the concept and the product itself

## HOW MUCH DO YOU AGREE OR DISAGREE THAT THE CONCEPT YOU JUST READ IS A GOOD WAY TO DESCRIBE THIS BURGER?



## The Blend is a good alternative to beef burgers and even to chicken sandwiches

## the blend is a better alternative to ...



## "The Blend" is a suitable name for the burger, according to 74\% of consumers




## Conclusions

## Conclusions

- Even prior to tasting The Blend, consumers find it more appealing than they find the beef burger and the plant-based burger
- Pre-reveal purchase intent is higher than what was indicated for the other two burgers. This metric boosted slightly upon reveal of The Blend's recipe
- The Blend scores the highest in flavor. This supports the hypothesis that mushrooms make meat better
- The Blend scores positive marks for tenderness, texture, swallowing, consistency, saltiness and savory attributes
- The Blend is seen as mainstream and on the same frame of reference as the beef burger. This represents a significant advantage that will contribute to decreasing barriers to product adoption
- Consumers see a good fit between the product and the positioning concept. The Blend being the most adequate name according to the majority
- The Blend is seen as a good alternative to beef and veggie burgers, turkey burgers and chicken sandwiches
- The Blend is expected to be found at a variety of outlets such as QSRs and supermarkets. It also fits a variety of occasions from drive thru, cookouts and snacking.


## Appendix

Differences in flavor preferences emerge: Those who dislike The Blend think it is boring, weird or bad; those who think it is alright, think it is mostly boring; and those who like it, like the flavor.

|  | What is it about the flavor of this burger specifically that makes you say you ... |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | B2B |  |  | Neutral |  |  | T2B |  |  |
|  | $\begin{gathered} \text { Blend } n= \\ 4 \end{gathered}$ | $\begin{aligned} & \text { Beef } \\ & \mathrm{n}=10 \end{aligned}$ | Plant- <br> based $\mathrm{n}=28$ | Blend $\mathrm{n}=18$ | $\begin{aligned} & \text { Beef } \\ & \mathrm{n}=22 \end{aligned}$ | Plantbased $n=16$ | Blend n=78 | $\begin{aligned} & \text { Beef } \\ & \mathrm{n}=68 \end{aligned}$ | Plant- <br> based <br> n=56 |
| Good Flavor | 0\% | 0\% | 4\% | 17\% | 0\% | 13\% | 63\% | 51\% | 59\% |
| Good Ingredients/Condiments | 0\% | 0\% | 4\% | 0\% | 0\% | 6\% | 17\% | 16\% | 16\% |
| Boring/Bland/Normal | 25\% | 50\% | 14\% | 56\% | 64\% | 25\% | 14\% | 29\% | 7\% |
| Not Normal/ Funky | 50\% | 0\% | 21\% | 0\% | 0\% | 13\% | 0\% | 0\% | 0\% |
| Too Much Bun/ Not Enough Meat | 0\% | 0\% | 0\% | 17\% | 14\% | 6\% | 0\% | 0\% | 0\% |
| Might Not Be Beef - Good | 0\% | 0\% | 0\% | 0\% | 5\% | 0\% | 1\% | 0\% | 7\% |
| Bad Flavor | 25\% | 40\% | 50\% | 6\% | 9\% | 25\% | 1\% | 0\% | 0\% |
| Bad Ingredients/Condiments | 0\% | 10\% | 7\% | 6\% | 9\% | 13\% | 0\% | 0\% | 0\% |
| Smokry Flavir $\lambda$ BBQ | 0\% | 0\% | 0\% | 0\% | 0\% | 0\% | 4\% | 3\% | 11\% |
| MUSHROOMS |  |  |  |  |  |  | $48$ |  | diQ |

The consumers who tasted The Blend or the beef burger first had a slightly better idea of which burger was which, and slightly over half of all consumers thought they could tell the difference.

```
YOU HAD 3 BURGERS, ONE WAS ALL BEEF, ONE WAS A PLANT
BASED BURGER THAT LOOKS LIKE FRESH BEEF AND ONE WAS
A BEEF AND MUSHROOM BLENDED BURGER. CAN YOU TELL
    WHICH ONE IS WHICH?
```



## About two-thirds of consumers say that they would eat more burgers if the burgers had less beef.

## WOULD YOU EAT BURGERS MORE OFTEN IF YOU KNEW THE BURGER YOU WERE GOING TO ORDER HAD 40\% LESS BEEF?



## Most consumers would eat burgers more often if the burger was healthier than a regular beef burger.

## WOULD YOU EAT BURGERS MORE OFTEN IF YOU KNEW THE BURGER YOU WERE GOING TO ORDER HAD LES CALORIES, LESS FAT, LESS SODIUM AND LESS CHOLESTEROL THAN A REGULAR BURGER?



## Most consumers would eat burgers more often if the burger was more sustainable than a regular beef burger.

## WOULD YOU EAT BURGERS MORE OFTEN IF YOU KNEW THE <br> BURGER YOU WERE GOING TO ORDER WAS MORE SUSTAINABLE?



## Most consumers would eat burgers more often if the burger had more vitamins and nutrients than a regular beef burger.

## WOULD YOU EAT BURGERS MORE OFTEN IF YOU KNEW THE BURGER YOU WERE GOING TO ORDER HAD MORE NUTRIENTS LIKE VITAMIN B AND D IN IT?



# Most consumers felt like the name "The Blend" made sense and fit the burger. Of those consumers who didn't like the name, they thought it was just OK, weak, or made them feel like it was blended with suspicious ingredients. 

## IN A FEW WORDS, PLEASE EXPLAIN YOUR ANSWER.



## Q11. Under what circumstances would you eat or serve this burger?



Filter: Try Count Equals 1; Unweighted; base $\mathrm{n}=300 ; 67 \%$ filtered out Multiple comparison correction: False Discovery Rate (FDR) ( $p=0.05$ )

## About one-half of consumers liked the taste of the first burger they tried, with a few more people liking The Blend burger over the other two kinds.

"I LOVE THE FLAVOR OF THE BURGER I JUST TASTED"


## Thank you!

